DAV-LF1

SERVICE MANUAL

Ver 1.0 2004.08

US Model
Canadian Model
AEP Model
UK Model
E Model

- DAV-LF1 is composed of following models.
  As service manuals are issued for each component model, please refer to them.

COMPONENT MODEL NAME

		DAV-LF1
CONTROL UNIT (SACD/DVD RECEIVER)		HCD-LF1
FRONT SPEAKER	L	SS-TSLF1L
	R	SS-TSLF1
SURROUND SPEAKER	L	SA-TSLF1
	R	SS-TSLF1W
CENTER SPEAKER		SS-CTLF1
SUB WOOFER		SA-WSLF1

- Abbreviation
  CND : Canadian model
  E41 : Chilean and Peru models
  EA : Saudi Arabia model
  HK : Hong Kong model
  KR : Korea model
  MX : Mexican model
  RU : Russian model
  SP : Singapore model

PARTS LIST

Part No.	Description	Remark
	ACCESSORIES	
	**********	
1-478-699-11	COMMANDER, STANDARD (RM-SP320) (including a BATTERY COVER)	
1-479-044-11	RAY-CATCHER UNIT, INFRARED RAY (for REMOTE CONTROL)	
⚠1-569-008-12	ADAPTOR, CONVERSION 2P (SP)	
1-751-619-23	CORD, CONNECTION (VIDEO) (EXCEPT AEP, UK, RU)	
1-754-059-12	ANTENNA, LOOP (AM)	
1-793-184-23	CONNECTOR (F TYPE ADAPTOR) (FM)	
2-108-606-12	MANUAL, INSTRUCTION (ENGLISH) (AEP, UK, RU)	
2-108-606-22	MANUAL, INSTRUCTION (FRENCH, GERMAN, SPANISH)	(AEP)
2-108-606-32	MANUAL, INSTRUCTION (DUTCH, ITALIAN, SWEDISH, POLISH)	(AEP)
2-108-606-41	MANUAL, INSTRUCTION (RUSSIAN) (RU)	
2-177-084-01	COVER (S) (for FRONT and SURROUND speakers)	
2-190-827-12	MANUAL, INSTRUCTION (ENGLISH) (US, CND, E41, EA, SP, HK)	
2-190-827-22	MANUAL, INSTRUCTION (FRENCH) (CND, EA, SP)	
2-190-827-31	MANUAL, INSTRUCTION (SPANISH) (E41, SP, MX)	
2-190-827-41	MANUAL, INSTRUCTION (CHINESE) (SP, HK)	
2-190-827-51	MANUAL, INSTRUCTION (KOREAN) (KR)	
2-190-827-61	MANUAL, INSTRUCTION (ARABIC) (EA)	
2-190-828-12	MANUAL, INSTRUCTION (DANISH,FINNISH,PORTUGUESE)	(AEP)
2-190-828-21	MANUAL, INSTRUCTION (GREEK) (AEP)	
2-190-828-31	MANUAL, INSTRUCTION (CZECH,HUNGARIAN) (AEP)	
2-190-828-41	MANUAL, INSTRUCTION (TURKISH) (AEP)	
2-190-828-51	MANUAL, INSTRUCTION (SLOVAK) (AEP)	
3-073-861-01	CLOTH (TL), CLEANING	
A-1071-985-A	DIR-R3 (RECEIVER)	
A-4718-204-A	DIR-T1 (TRANSMITTER)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DVD HOME THEATRE SYSTEM

9-879-138-01
2004H16-1
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Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY®

REVISION HISTORY

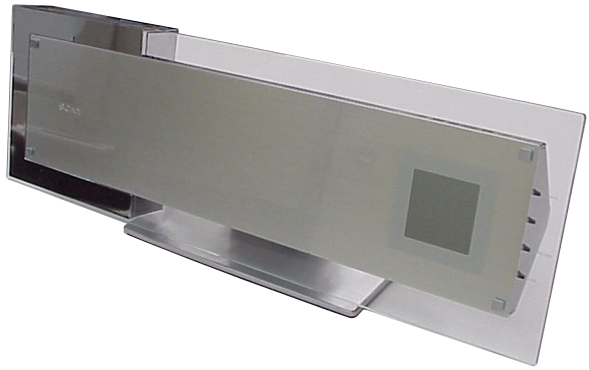
Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2004.08	New

HCD-LF1

SERVICE MANUAL

Ver 1.2 2006.09



US Model
Canadian Model
AEP Model
UK Model
E Model
Australian Model

- HCD-LF1 is DVD/CD DECK system in DAV-LF1.

* Manufactured under license from Dolby Laboratories.
"Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories.
** Manufactured under license from Digital Theater Systems, Inc.
"DTS", "DTS-ES", and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

Model Name Using Similar Mechanism	NEW
Mechanism Type	CDM80AT-DVBU29T
Optical Pick-up Name	DBU-3

SPECIFICATIONS

Super Audio CD/DVD system

Laser	Semiconductor laser (Super Audio CD/DVD: λ = 650 nm) (CD: λ = 780 nm) Emission duration: continuous
Signal format system	
North America, Latin America:	NTSC
Other regions:	NTSC, PAL
Frequency response (at 2 CH STEREO mode)	
	DVD (PCM): 2 Hz to 22 kHz (±1.0 dB) CD: 2 Hz to 20 kHz (±1.0 dB)
Harmonic distortion	Less than 0.03 %
Dimensions (approx.)	568 × 200 × 120 mm (22 3/8 × 7 7/8 × 4 3/4 inches) (w/h/d) incl. projecting parts
Mass (approx.)	4.7 kg (10 lb 6 oz)

Design and specifications are subject to change without notice.

SUPER AUDIO CD/DVD PLAYER

9-879-139-03
2005I16-1
© 2006.09

Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY

Laser component in this product is capable of emitting radiation exceeding the limit for Class 1.

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

• The units that are required for the system operation check during repair service

Unit. need to checking \ Units required for operation check	DVD player : HCD-LF1	Sub woofer : SA-WSLF1	Front speaker : SS-TSLF1(R) SS-TSLF1L(L)	Center speaker : SS-CTLF1	Surround speaker : SS-TSLF1W(R) SA-TSLF1(L)	Remote commander : RM-SP320
DVD player : HCD-LF1	○	○				○
Sub woofer : SA-WSLF1	○	○				○
Front speaker : SS-TSLF1(R) SS-TSLF1L(L)	○	○	○*1			○
Center speaker : SS-CTLF1				○		
Surround speaker : SS-TSLF1W(R) SA-TSLF1(L)	○	○	○*2		○*1	○
Remote commander : RM-SP320						○

*1 Only the defective unit. *2 Either one of them.
Units with ○ mark: The units that are required for the system operation check during repair service
However, there can be a case that some units of the system need to not be brought into repair shop depending on the unit. that became defective.

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SECTION 1
SERVICING NOTES

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

LASER DIODE AND FOCUS SEARCH OPERATION CHECK

Carry out the "S curve check" in "CD section adjustment" and check that the S curve waveform is output several times.

NOTE OF REPLACING THE DMB07 BOARD

When replacing the DMB07 board, since the adjustment value is not set up correctly, "Drive Auto Adjustment" can't be performed. In this case, initialize Memory in the following procedures.

Procedure:

1. Set the test mode. (See page 25)
2. Press the [2] key of the remote commander, and set the "DRIVE MANUAL OPERATION". (See page 27)
3. Press the [6] key of the remote commander, and set the "2-6, Memory Check". (See page 29)
4. Press the [CLEAR] key of the remote commander, and initialize Memory.

NOTE 1: Regarding the notification symbol "R"
Because the number of the operating buttons of this product are limited, some operations require use of the operating buttons of the remote commander (RM-SP320 supplied with the product). When a specific operation requires use of the operating buttons of the remote commander (RM-SP320), "R" is added to the specific operating procedure in this manual.
Example [MENU/NO "R"] The [MENU/NO] button of remote commander.

NOTE 2: Incorrect operations may be performed if the test mode is not entered properly.
In this case, press the [I/⏻] button to turn the power off, and retry to enter the test mode.

DISC TRAY LOCK

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

Procedure :

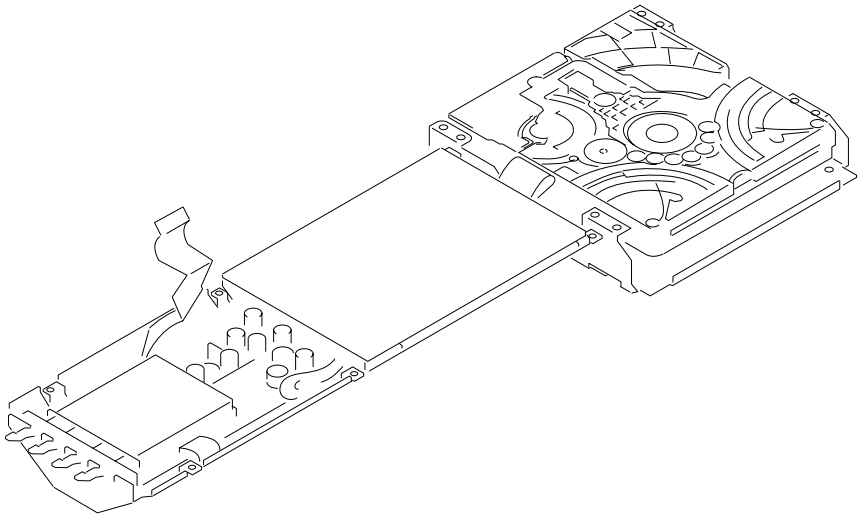
1. Press the [I/⏻] button to turn the set on.
2. Press the [FUNCTION "R"] button or touch the [FUNCTION] button to set DVD function.
3. Insert a disc.
4. While the power is ON (excluding the mode of Power-ON Animation mode), touch the [■] Sensor (on Touch Panel) and press the [⏏] button simultaneously for several seconds.
5. The "Locked" display appears for a while and disc cannot be removed any more even if the [⏏] button is pressed.

* To release this mode, repeat the above operation. The "Unlocked" display appears and the Disc Tray Lock mode is canceled.

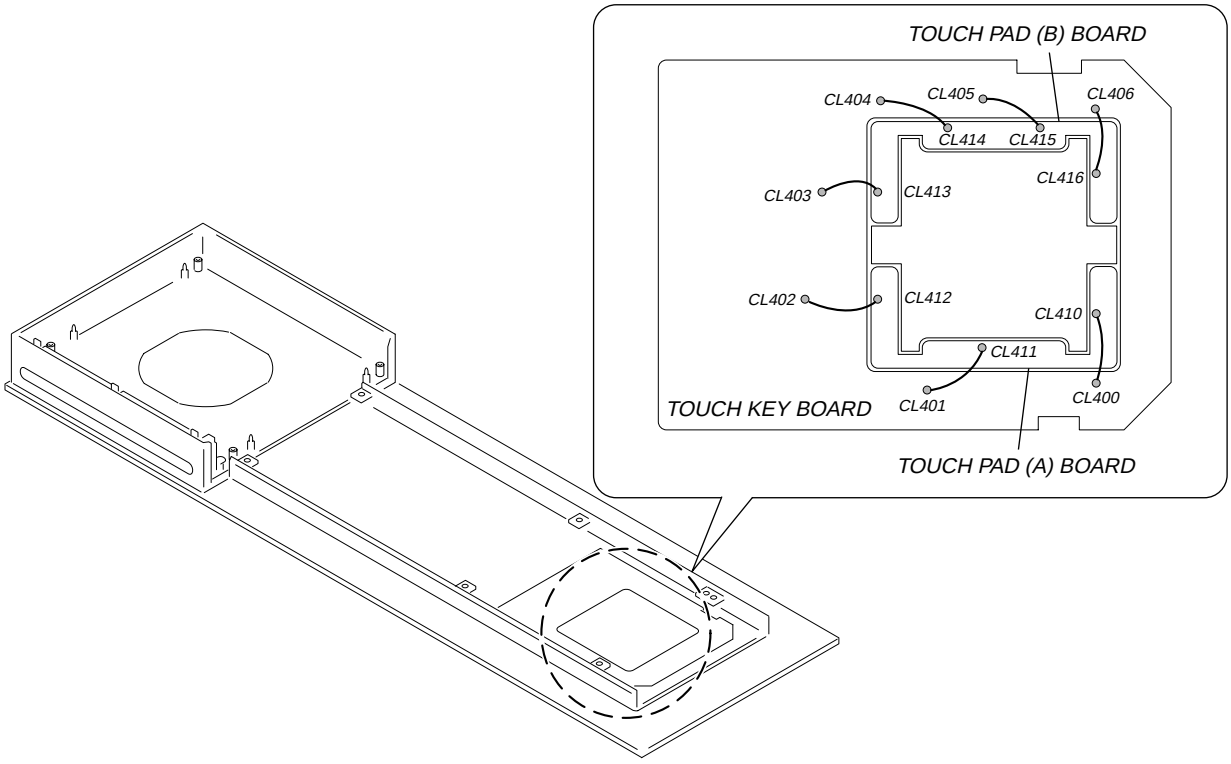
Note: When "LOCKED" is displayed, the slot lock is not released by turning power on/off with the [I/⏻] button.

- **NOTE**

  ** The performance of the main unit can be connected with the remote controller, even if the panel is not connected.*



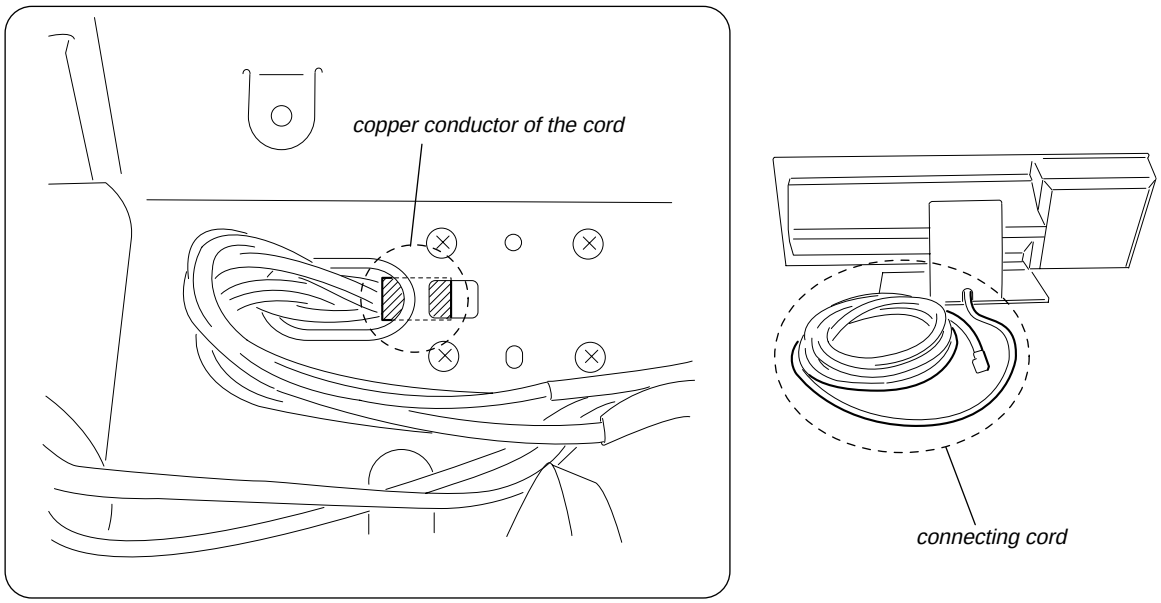
- **CAUTION-1 (REPLACING THE TOUCH KEY BOARD)**



** When the TOUCH KEY BOARD is replaced, wire the TOUCH KEY BOARD securely to the TOUCH PAD (A) BOARD and TOUCH PAD (B) BOARD as shown in the figure.*

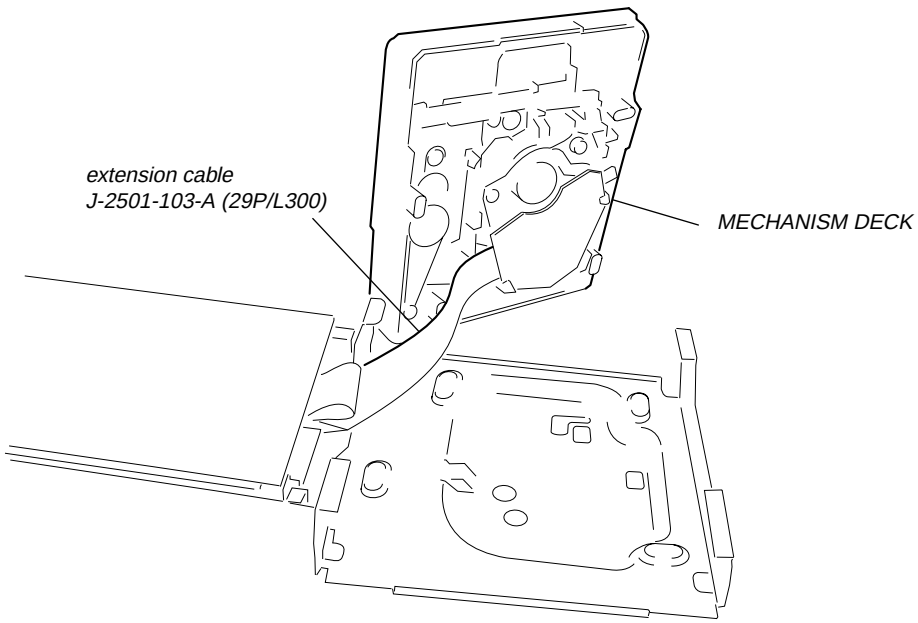
- **CAUTION-2 (REPLACING THE CONNECTING CORD)**

  * *When replacing the connecting cord, fix it at the position in the figure so that the copper conductor of the cord and the steel plate contact (GND) adequately.*



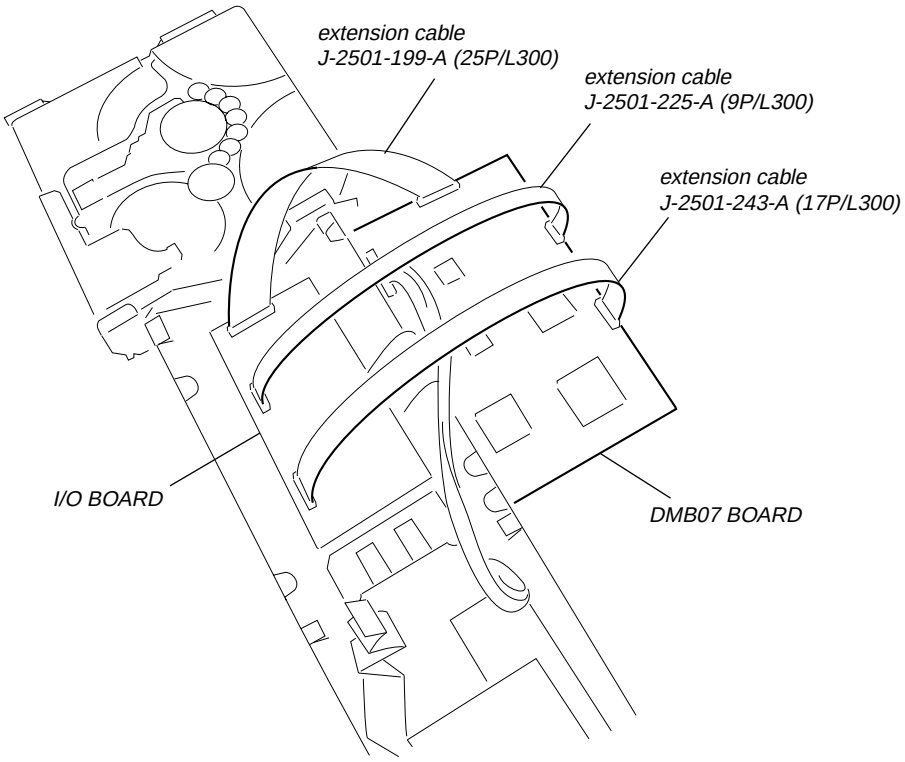
- **SERVICING POSITION-1 (MECHANISM DECK)**

  * *Connect the DVD-POW BOARD and the MECHANISM DECK with the extension cable, and inspect the MECHANISM DECK.*



- **SERVICING POSITION-2 (DMB07 BOARD)**

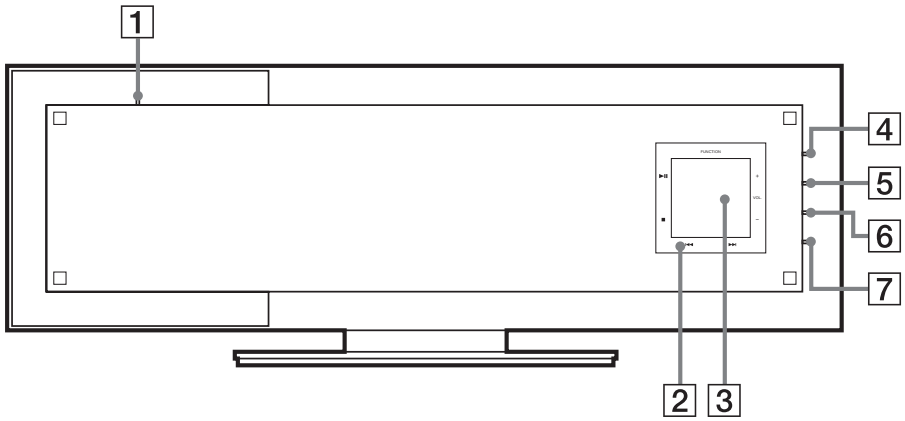
  * *Connect the I/O BOARD and the DMB07 BOARD by using the three extension cables, and inspect the DMB07 BOARD.*



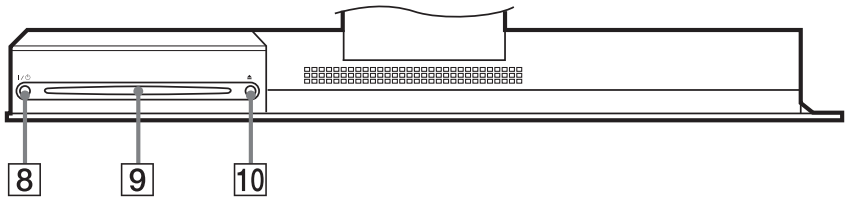
SECTION 2
GENERAL

This section is extracted from instruction manual.

Front Panel



Top Panel

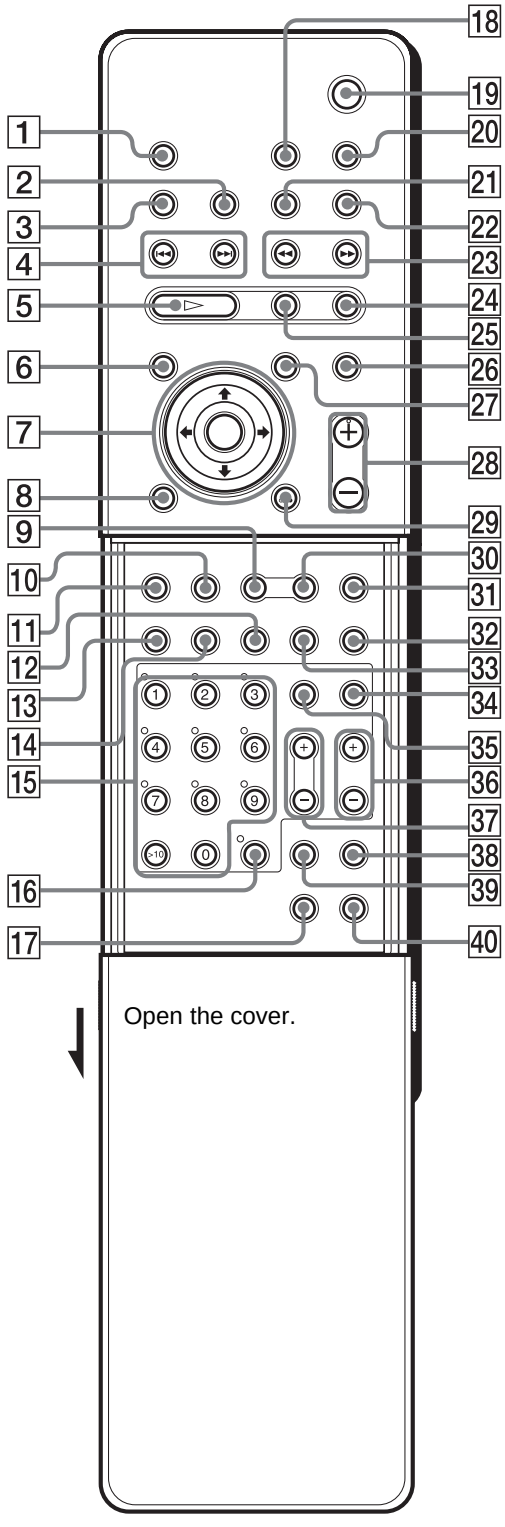


1 **DISC indicator***
2 **Touch Panel Sensor (41)**
3 **Front panel display (104)**
4 **DOLBY DIGITAL indicator***
5 **DTS indicator***
6 **DOLBY PRO LOGIC II indicator***
7 **D.C.S. indicator***

* Lights up when activated.

8 **I/⏻ (power) switch/standby indicator (39)**
9 **Disc slot (39)**
10 **⏏ (eject) (39)**

Remote



Note

This remote control glows in the dark. However, before glowing, the remote must be exposed to light for awhile.

1. ⏏ (eject) (39, 40)
2. DISPLAY (55, 58, 80)
3. SLEEP (83)
4. I◄◄ /►►I, PRESET –/+ (40, 43, 80, 81)
5. ▷ (play) (40, 42, 47, 48, 51, 52)
6. DVD TOP MENU/ALBUM– (43, 45, 46)
7. ←/↑/↓/→/ENTER (34, 43, 43, 45, 46, 48, 48, 50, 51, 53, 60, 67, 68, 69, 71, 79, 81, 83, 85, 91)
8. DVD DISPLAY (45, 46, 50, 51, 53, 58, 59, 60, 67, 68, 69)
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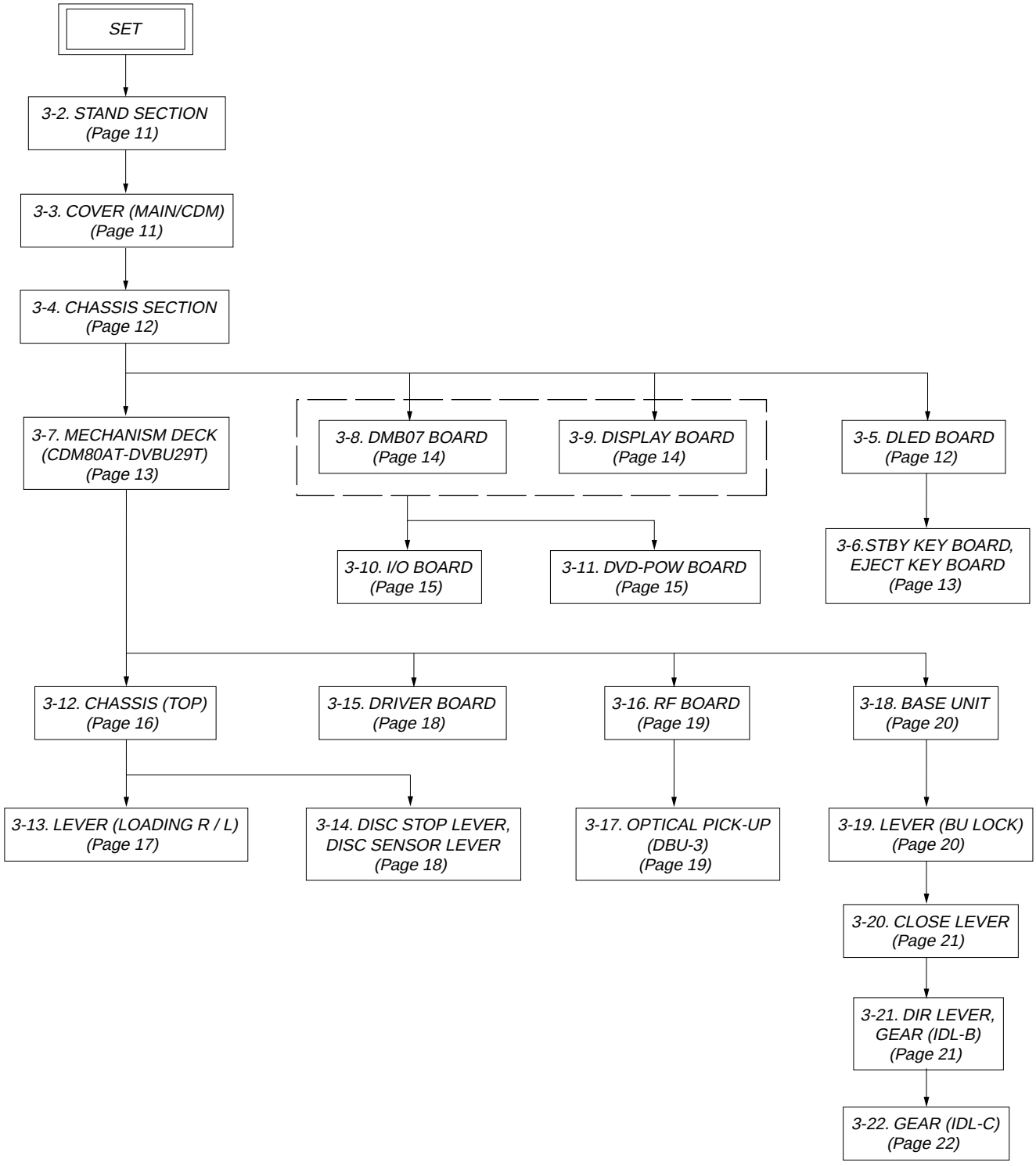
15. Number buttons (43, 43, 48, 53, 67, 69, 71, 74, 76)
16. ENTER
17. TUNER MENU (79, 81)
18. TV I/⏻ (on/standby) (74)
19. I/⏻ (standby) (34, 39, 80)
20. SONY TV DIRECT (76)
21. TUNER/BAND (79, 80, 81)
22. FUNCTION (39, 78, 80, 81)
23. ◄◄/►►/SLOW ◄I/I►, TUNING –/+ (47, 52, 79, 80)
24. ■ (stop) (40, 42, 43, 69, 80)
25. II (pause) (40)
26. MUTING (40)
27. DVD MENU/ALBUM+ (43, 45, 46)
28. VOL +/– (40, 80)
29. ↩ RETURN (43, 45, 46, 48, 53, 69, 71, 85)
30. MODE (63, 64)
31. NIGHT MODE (66)
32. PLAY MODE (48, 50)
33. REPEAT (48, 51)
34. TV (74, 76)
35. TV/VIDEO (74, 76)
36. TV CH +/– (74, 76)
37. TV VOL +/– (74)
38. AMP MENU (29, 78, 83, 91)
39. CLEAR (34, 48, 53)
40. FM MODE (80)

SECTION 3
DISASSEMBLY

3-1. DISASSEMBLY FLOW

- This set can be disassembled in the order shown below.
- The dotted square with arrow (⬚⊢) prompts you to move to the next job when all of the works within the dotted square (⬚) are completed.


SET
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3-4. CHASSIS SECTION (Page 12)
3-7. MECHANISM DECK (CDM80AT-DVBU29T) (Page 13)
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3-12. CHASSIS (TOP) (Page 16)
3-15. DRIVER BOARD (Page 18)
3-16. RF BOARD (Page 19)
3-18. BASE UNIT (Page 20)
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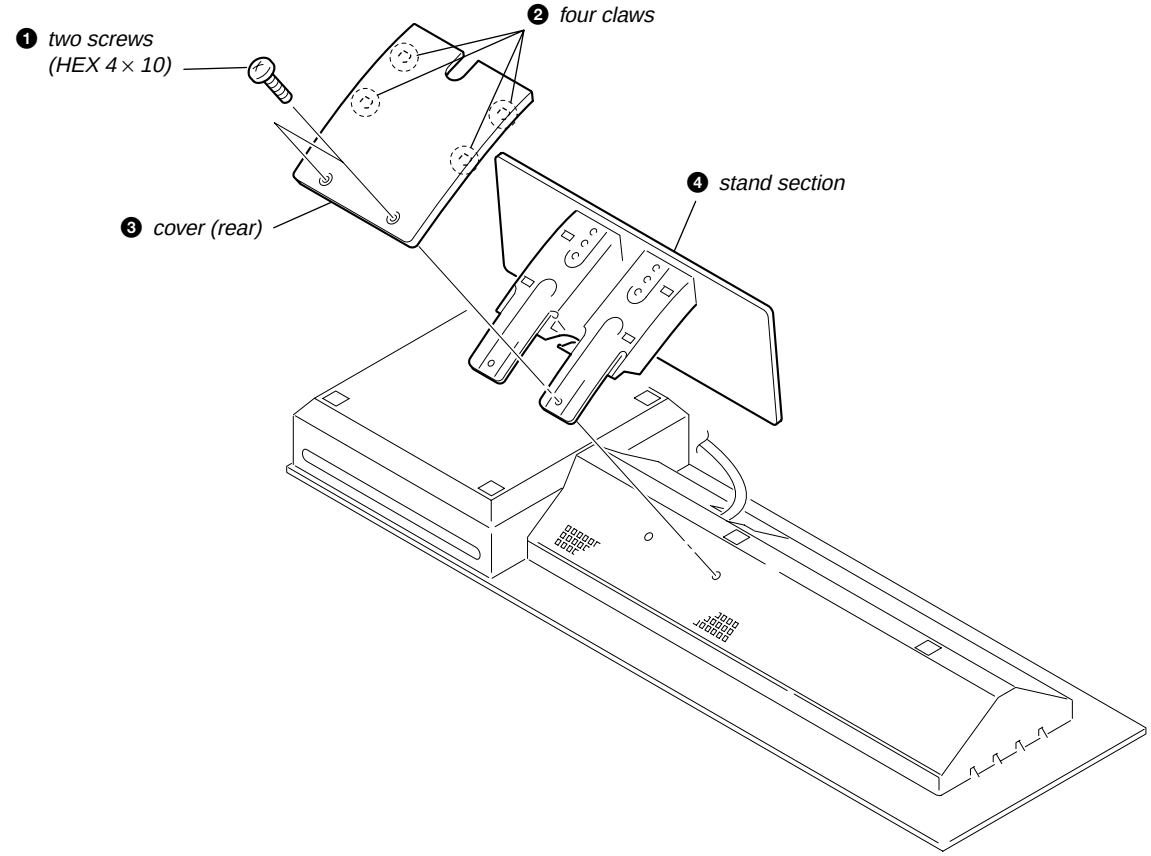
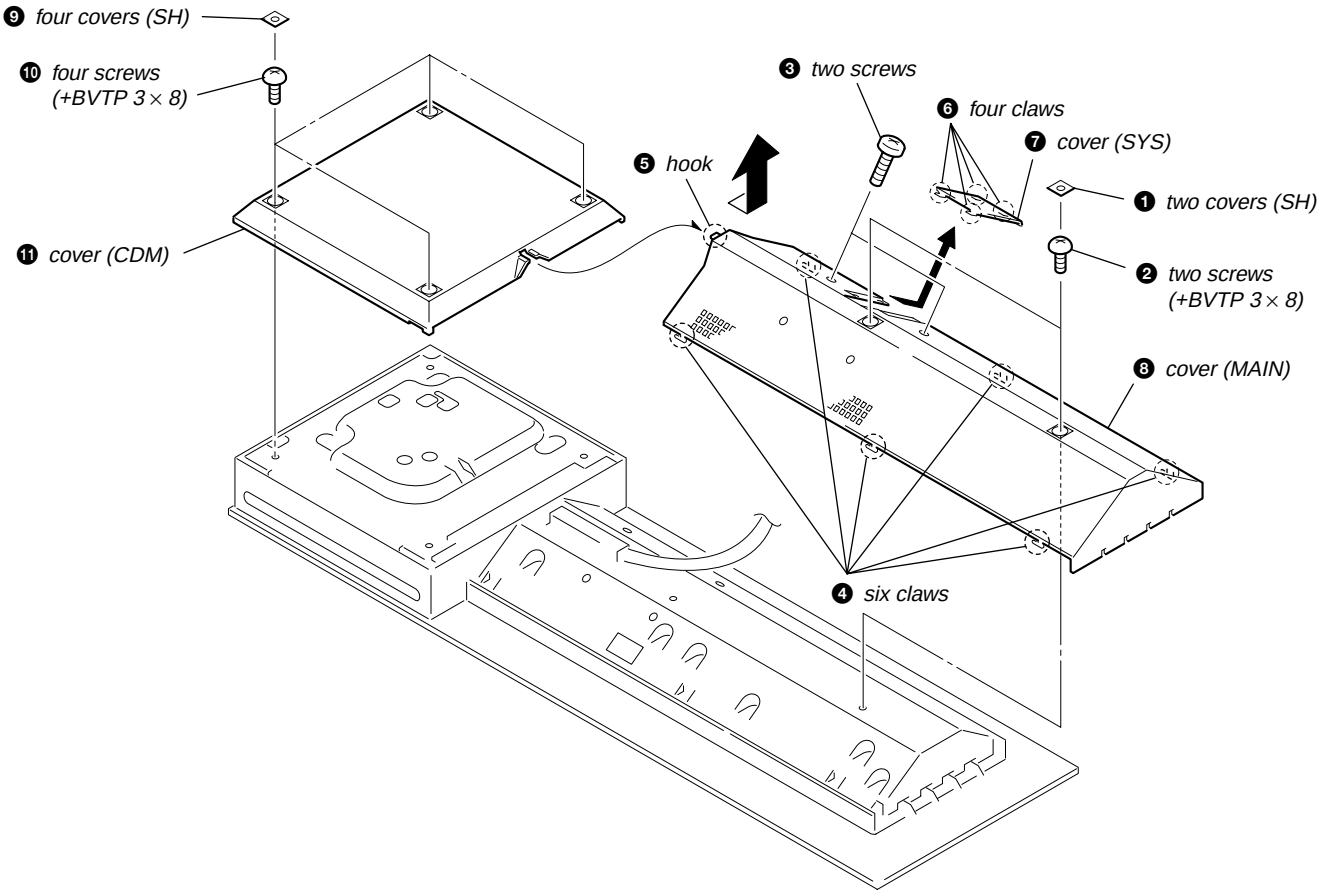
3-17. OPTICAL PICK-UP (DBU-3) (Page 19)
3-19. LEVER (BU LOCK) (Page 20)
3-20. CLOSE LEVER (Page 21)
3-21. DIR LEVER, GEAR (IDL-B) (Page 21)
3-22. GEAR (IDL-C) (Page 22)

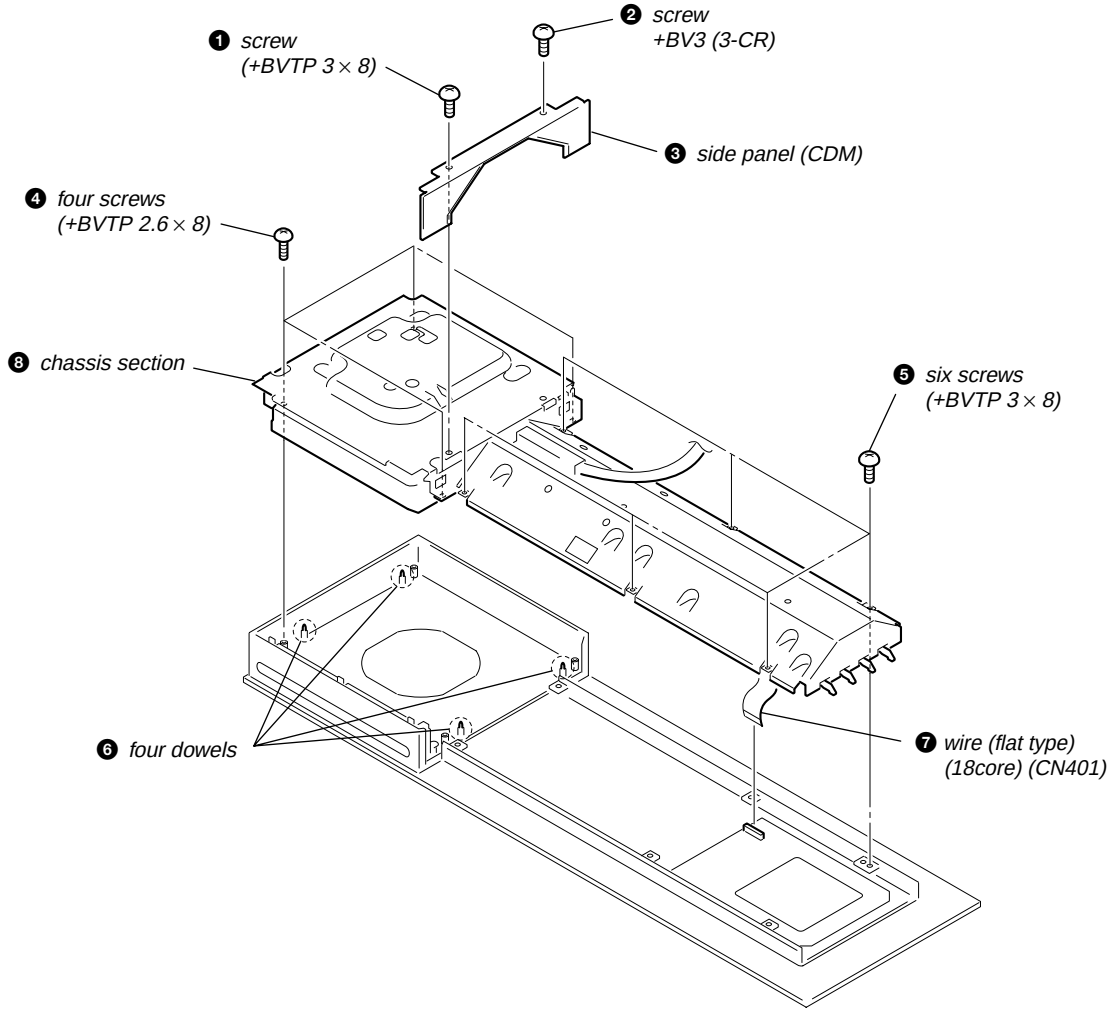
3-2. STAND SECTION



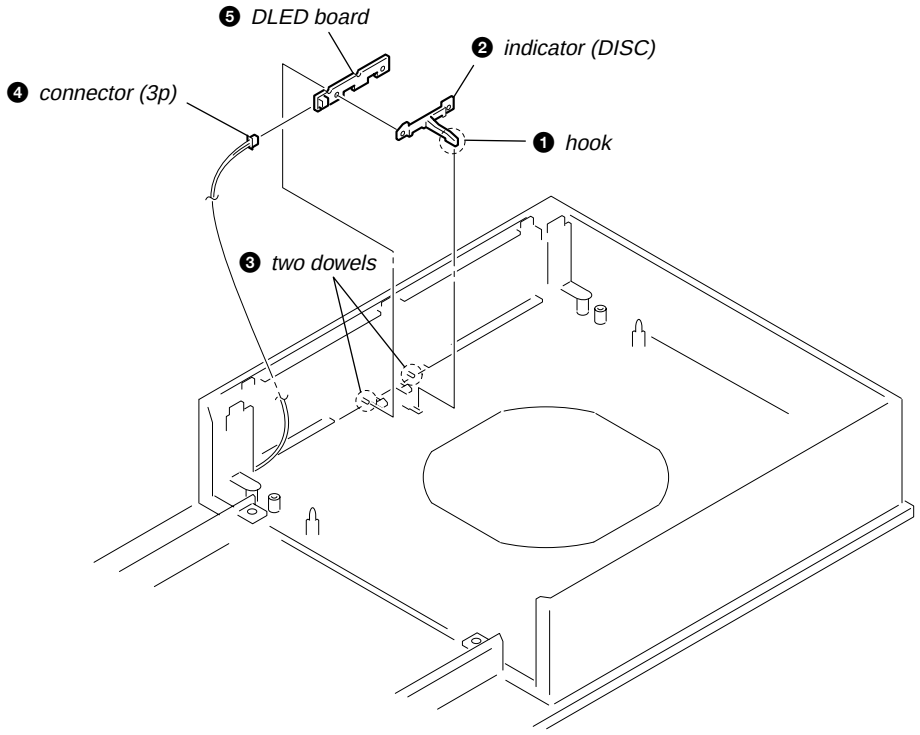
3-3. COVER (MAIN/CDM)



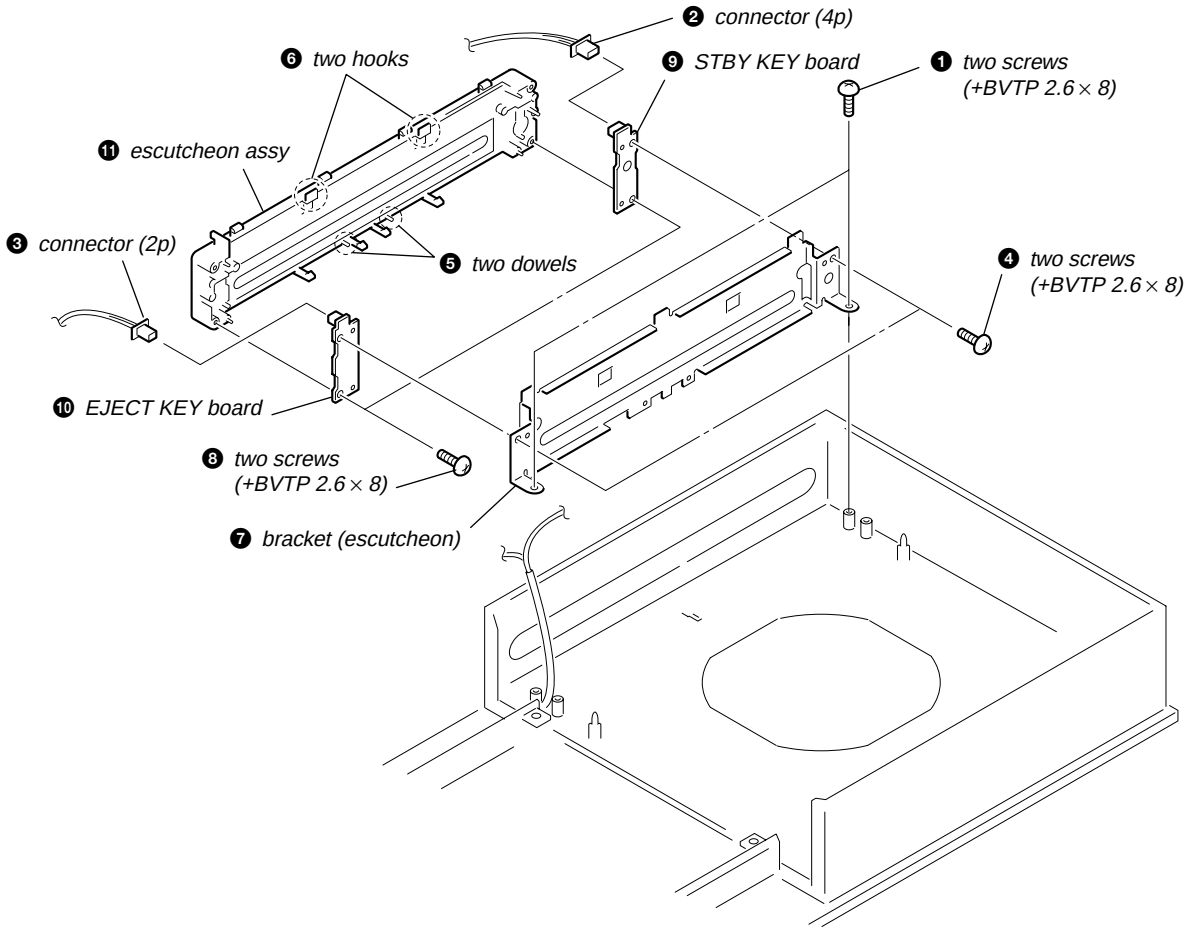
3-4. CHASSIS SECTION



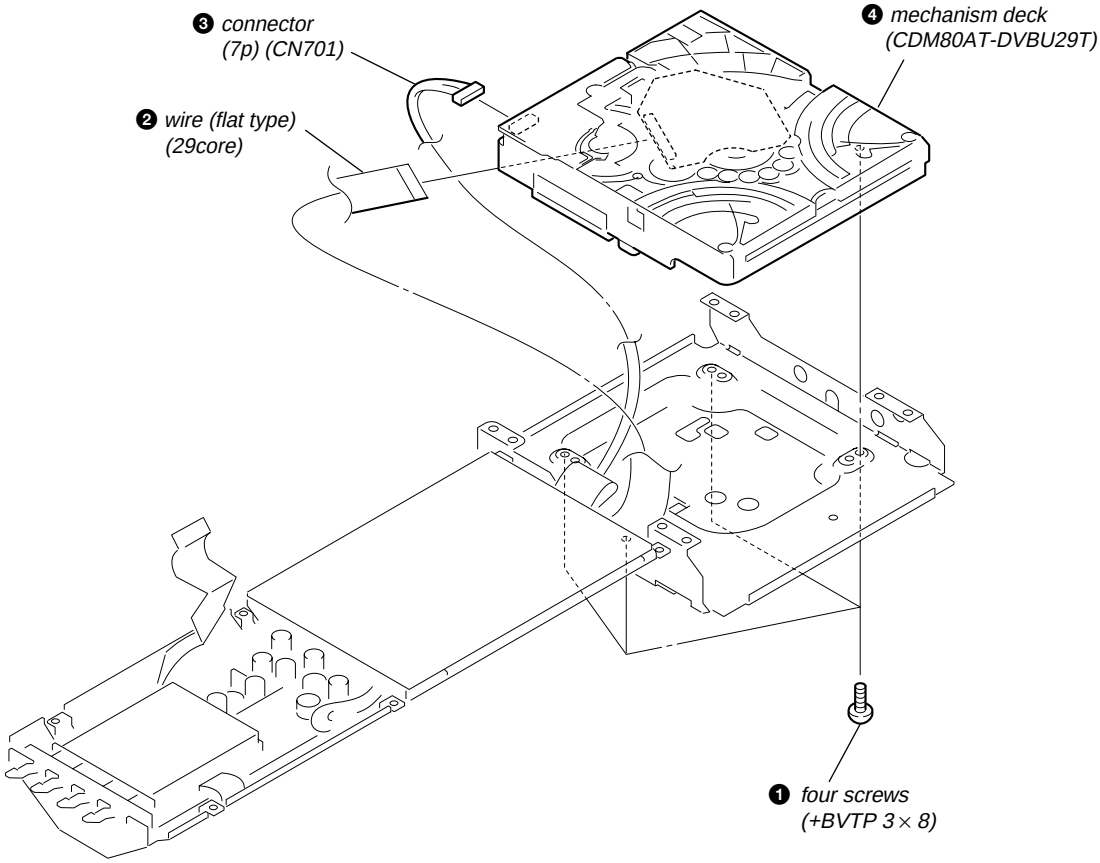
3-5. DLED BOARD



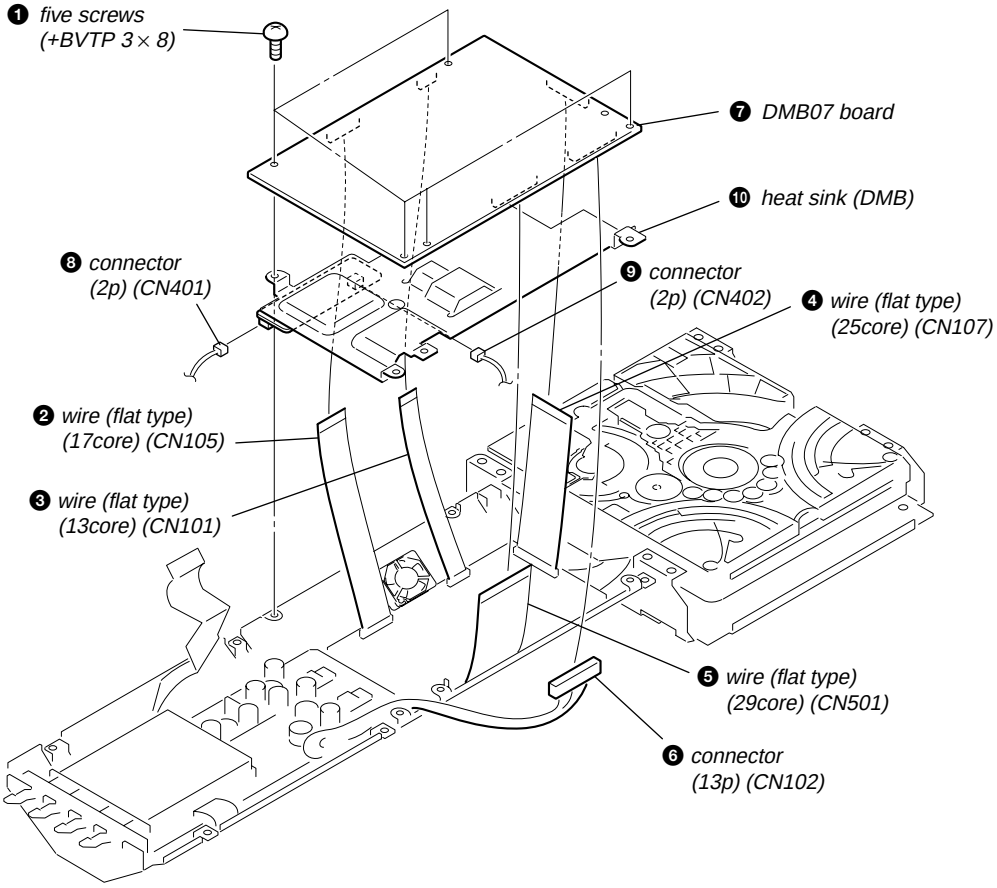
3-6. STBY KEY BOARD, EJECT KEY BOARD


❷ connector (4p)
❻ two hooks
❾ STBY KEY board
❶ two screws (+BVTP 2.6 × 8)
⓫ escutcheon assy
❸ connector (2p)
❺ two dowels
❹ two screws (+BVTP 2.6 × 8)
❿ EJECT KEY board
❽ two screws (+BVTP 2.6 × 8)
❼ bracket (escutcheon)

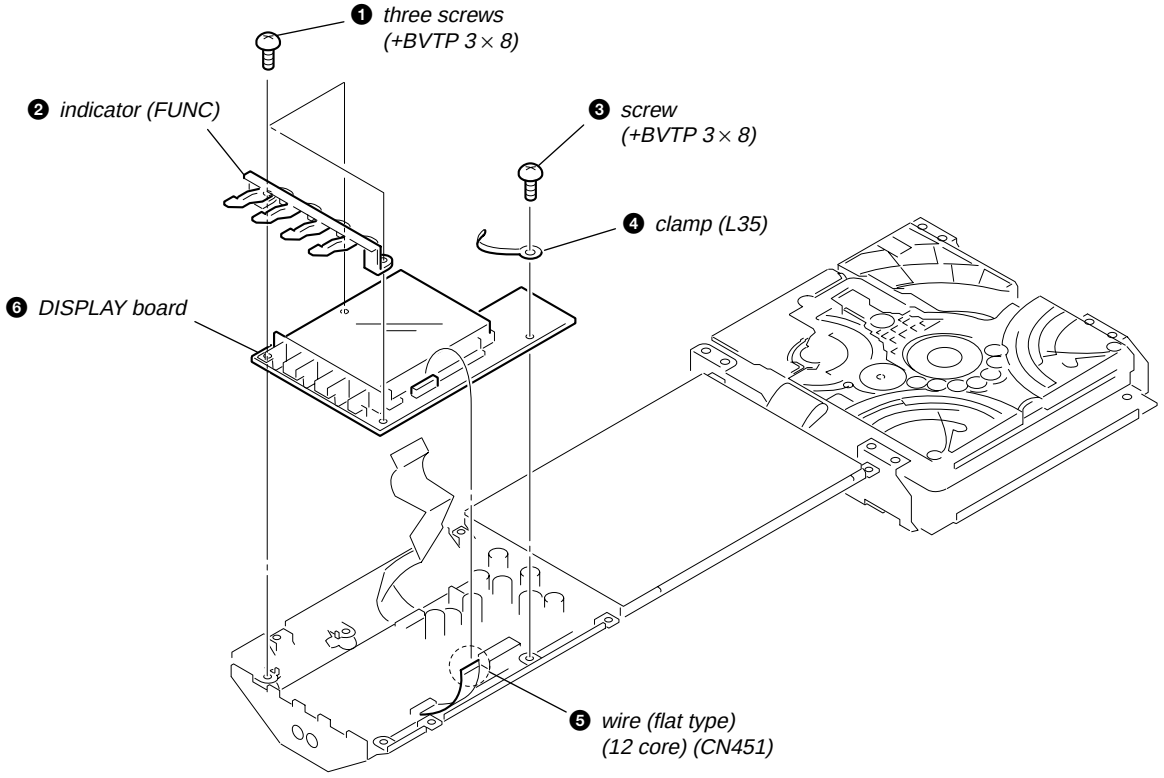
3-7. MECHANISM DECK (CDM80AT-DVBU29T)



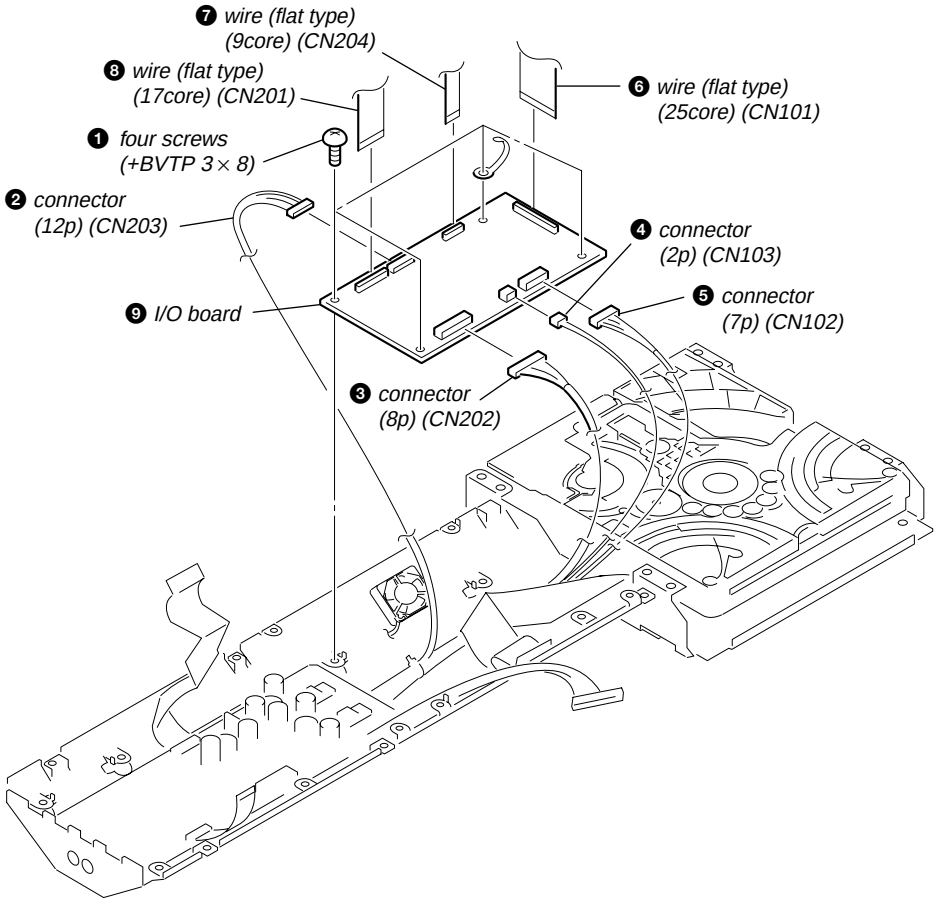
3-8. DMB07 BOARD


❶ five screws (+BVTP 3× 8)
❼ DMB07 board
❿ heat sink (DMB)
❽ connector (2p) (CN401)
❾ connector (2p) (CN402)
❹ wire (flat type) (25core) (CN107)
❷ wire (flat type) (17core) (CN105)
❸ wire (flat type) (13core) (CN101)
❺ wire (flat type) (29core) (CN501)
❻ connector (13p) (CN102)

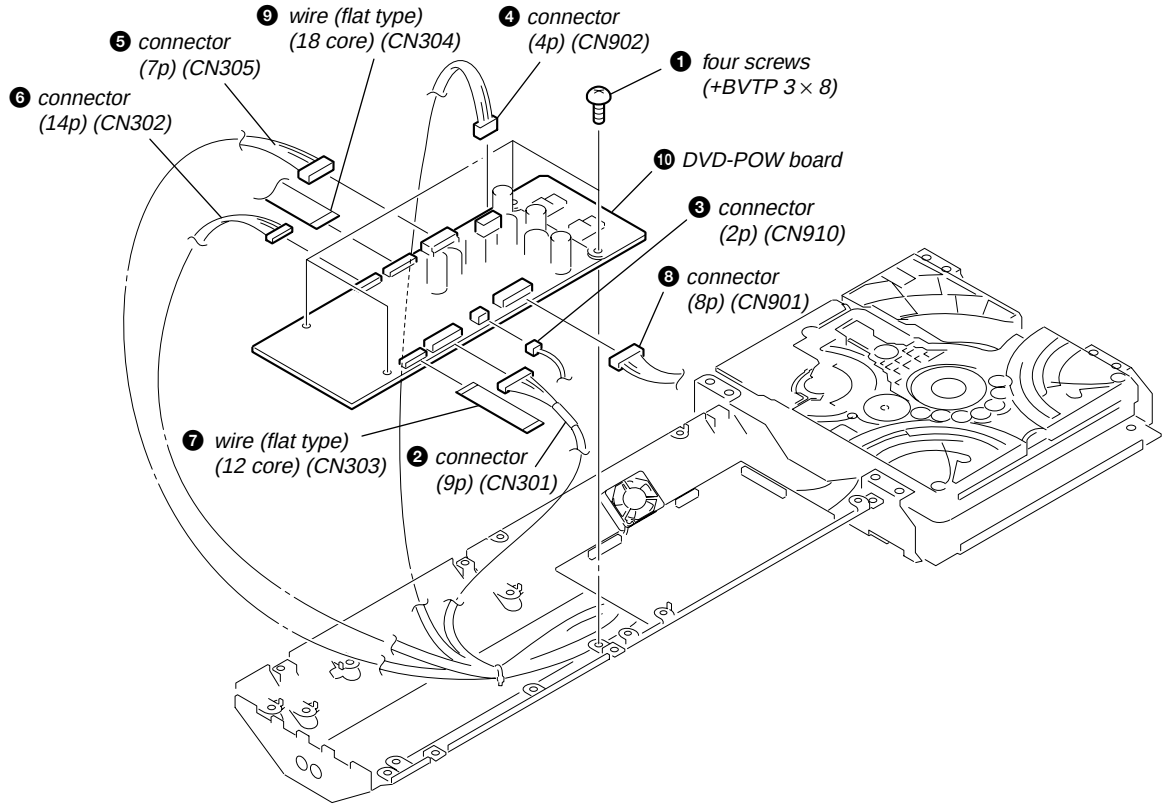
3-9. DISPLAY BOARD



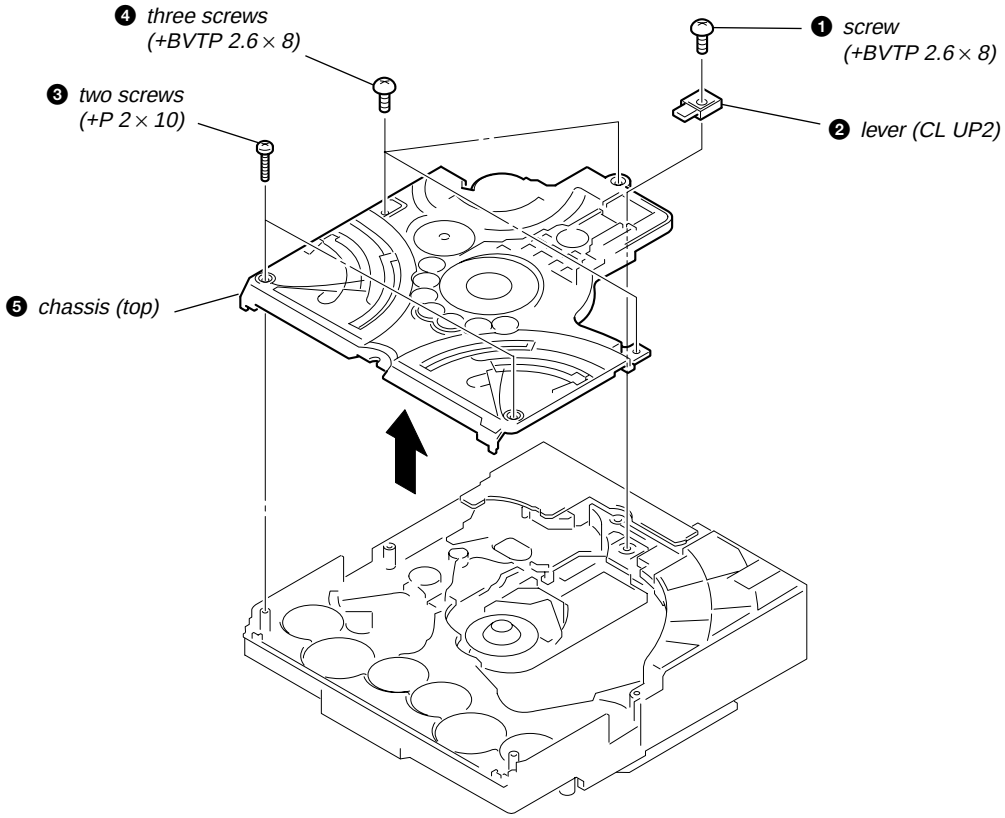
3-10. I/O BOARD



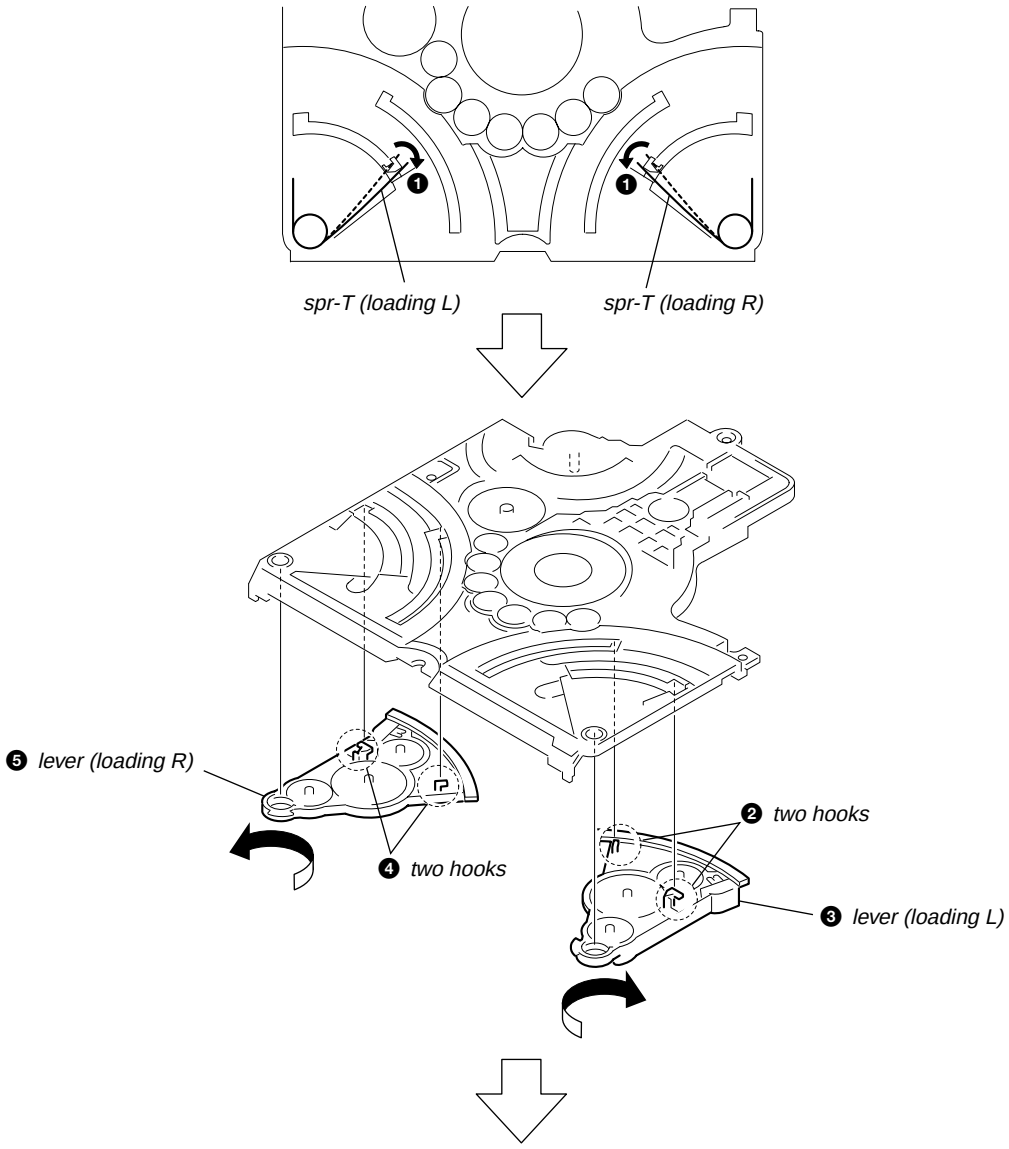
3-11. DVD-POW BOARD



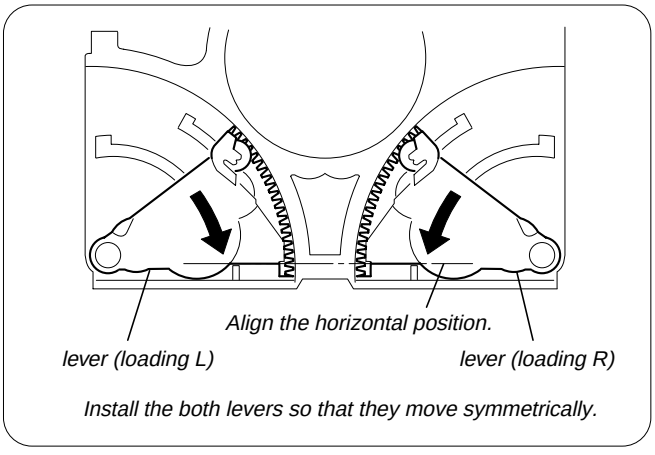
3-12. CHASSIS (TOP)



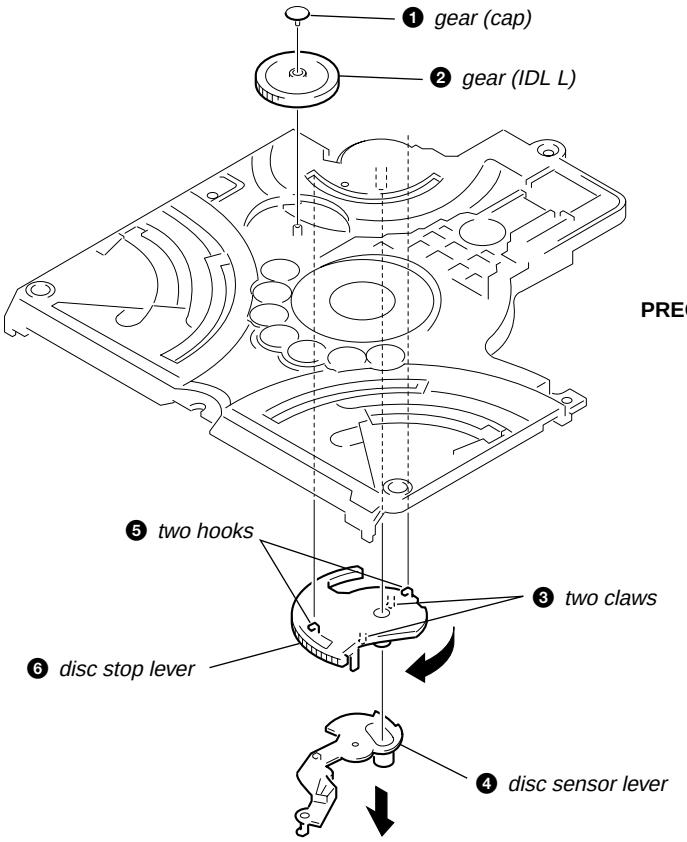
3-13. LEVER (LOADING R/L)



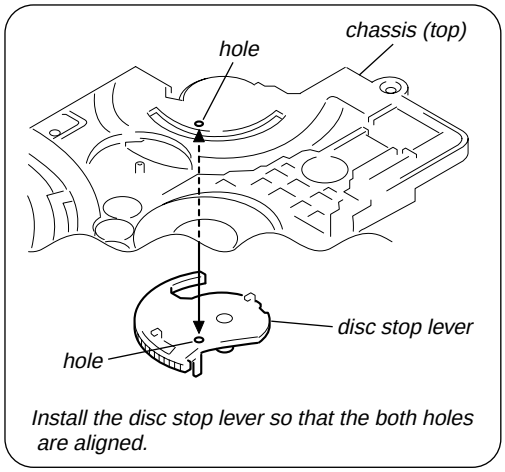
PRECAUTION DURING LEVER (LOADING R / L) INSTALLATION



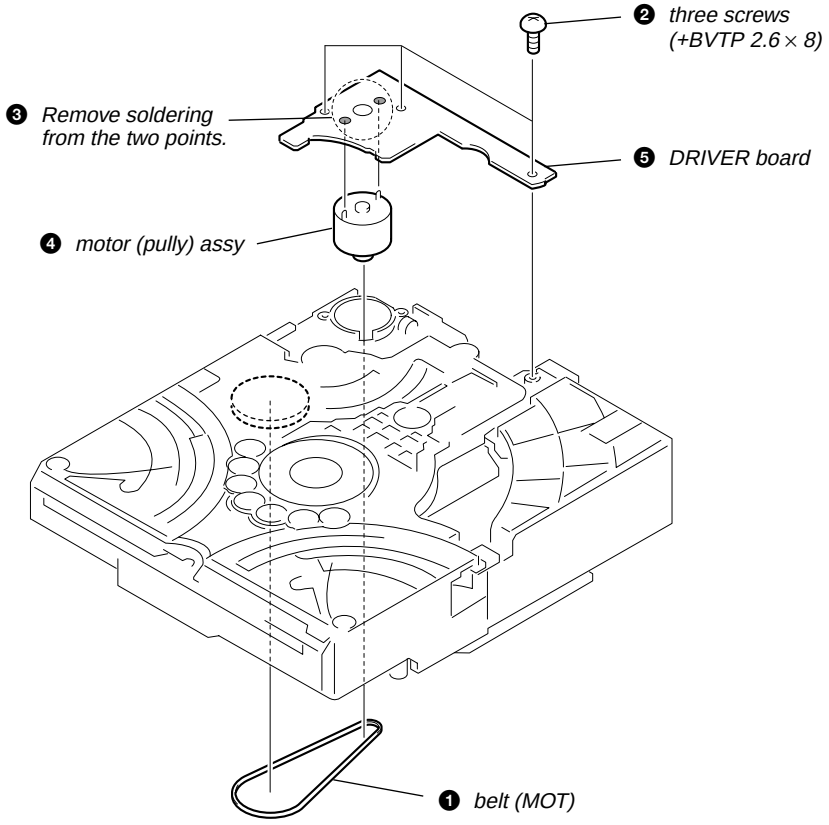
3-14. DISC STOP LEVER, DISC SENSOR LEVER



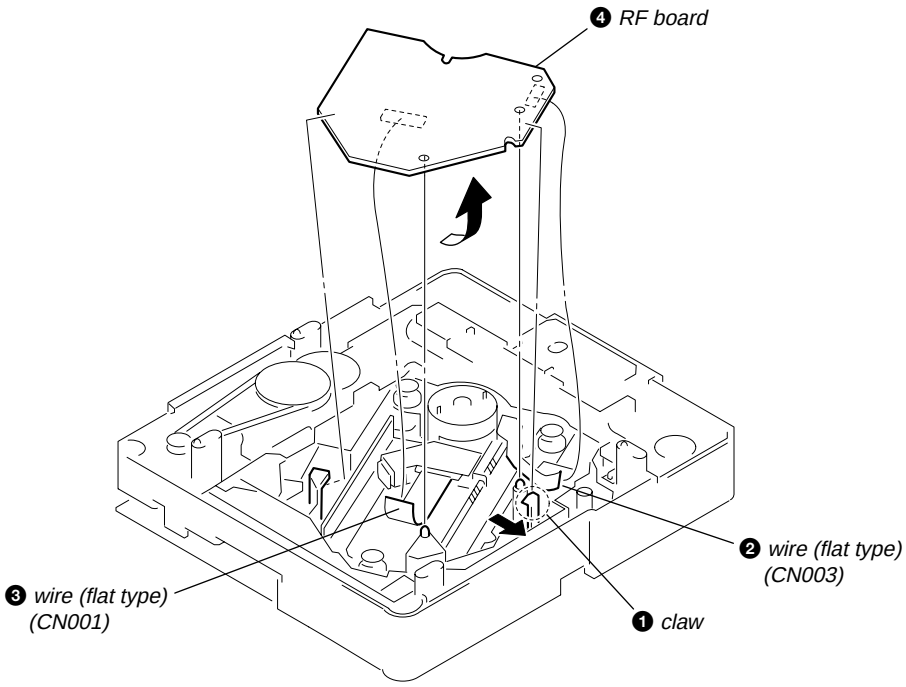
PRECAUTION DURING DISC STOP LEVER INSTALLATION



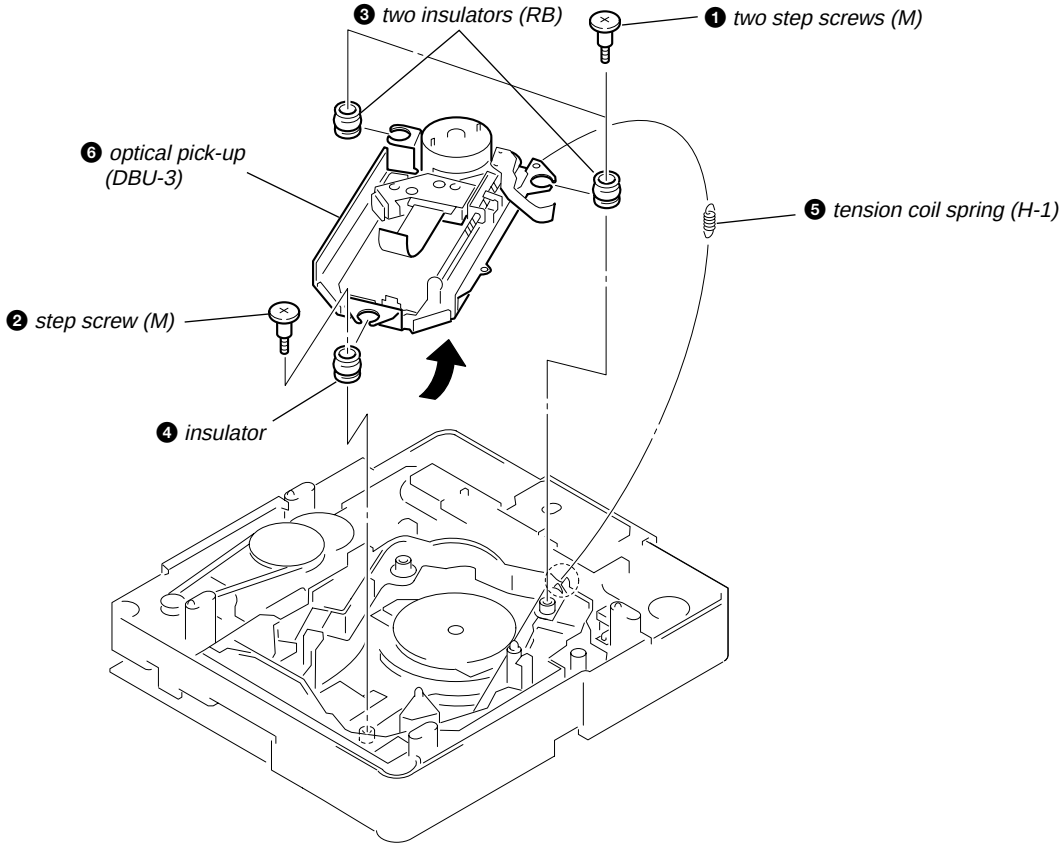
3-15. DRIVER BOARD



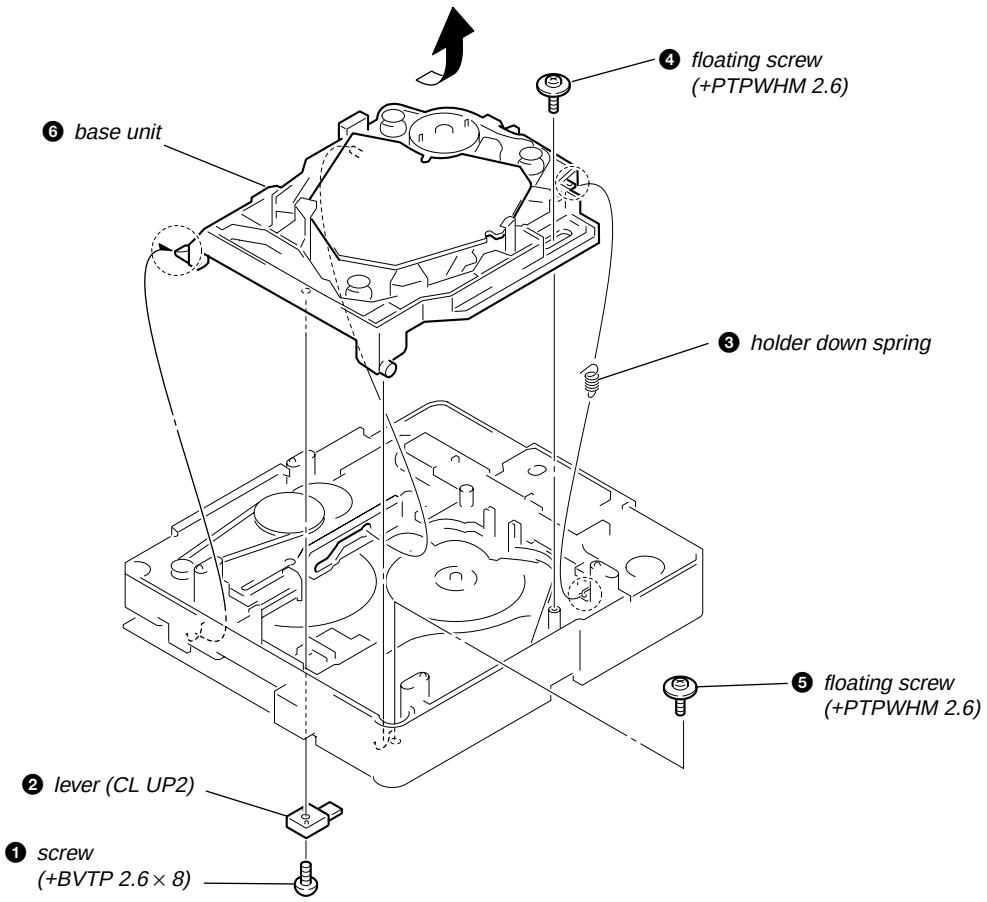
3-16. RF BOARD



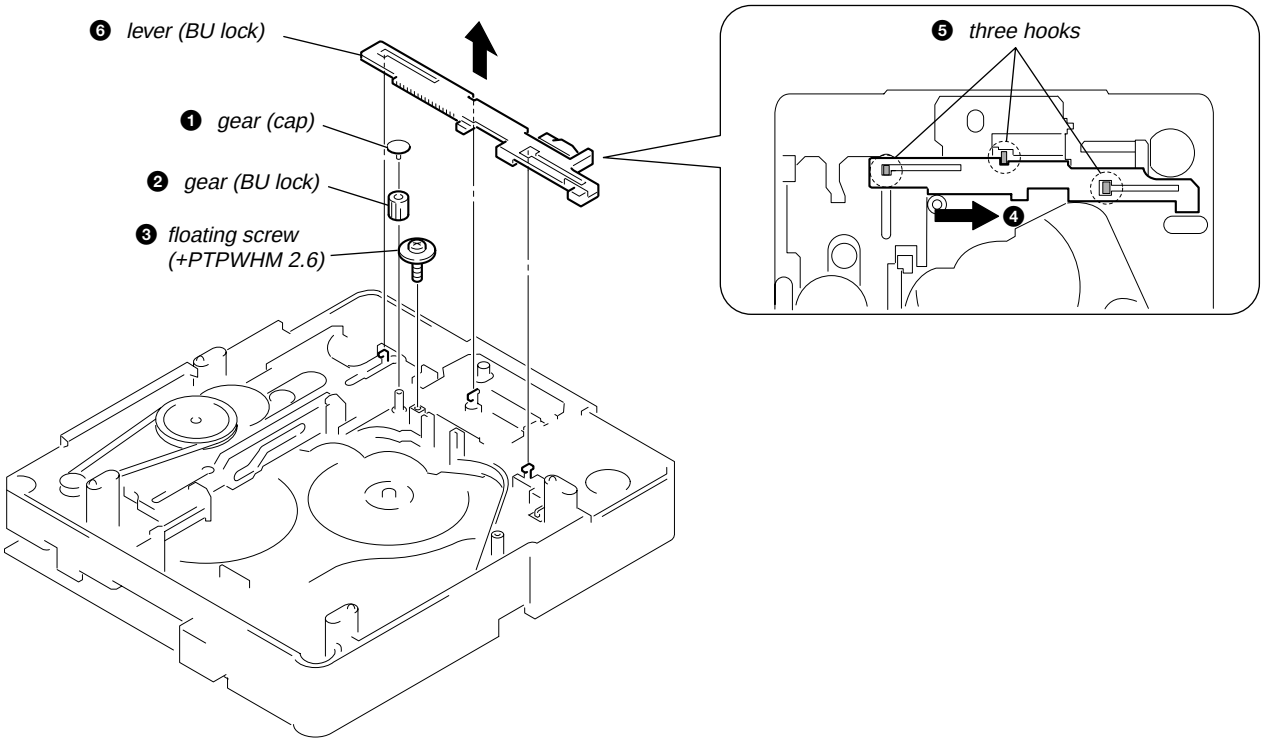
3-17. OPTICAL PICK-UP (DBU-3)



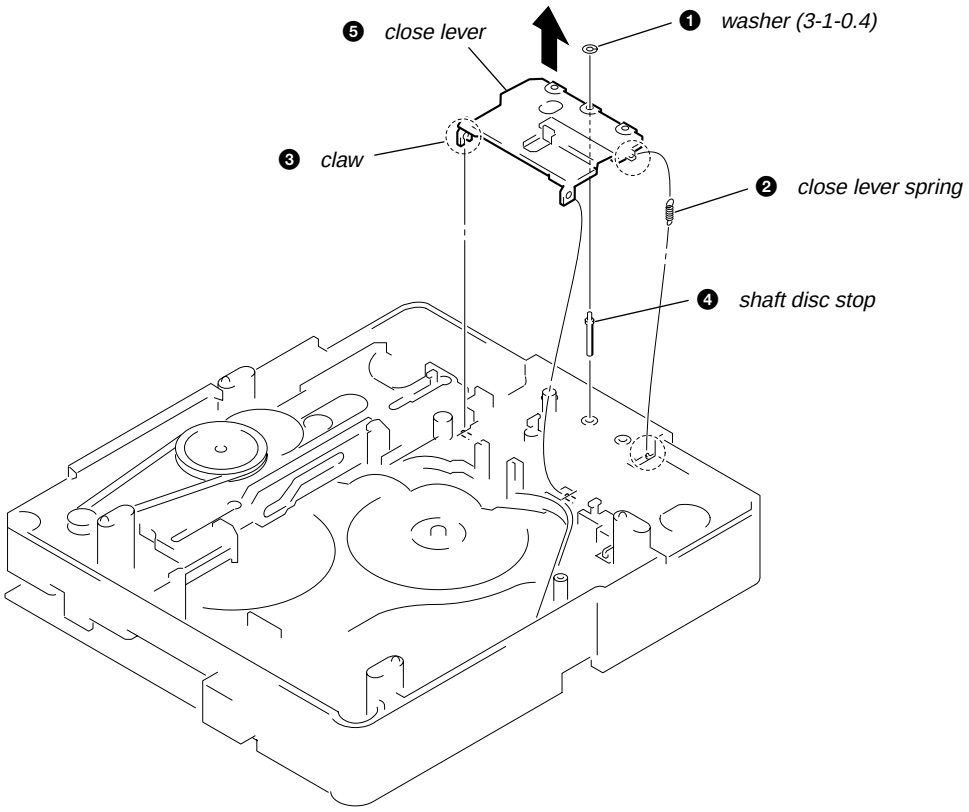
3-18. BASE UNIT



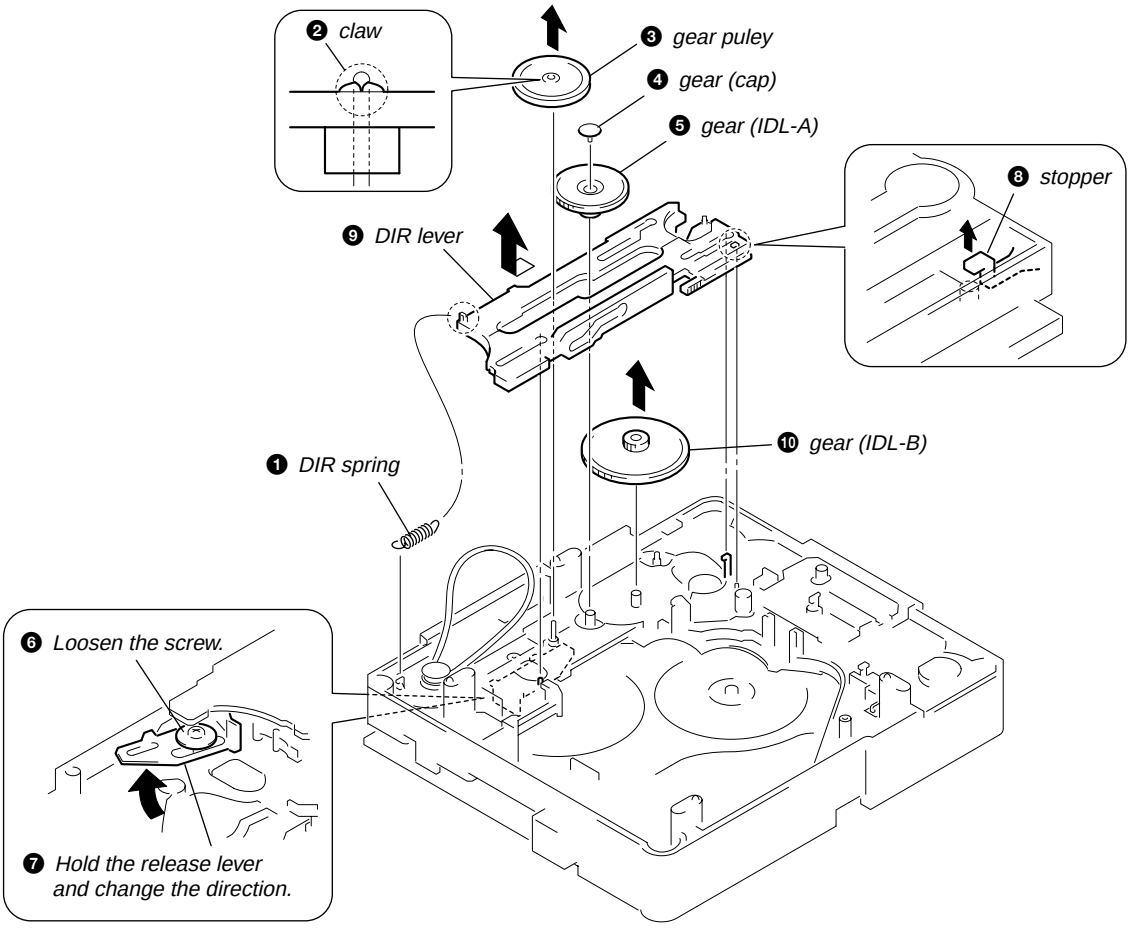
3-19. LEVER (BU LOCK)



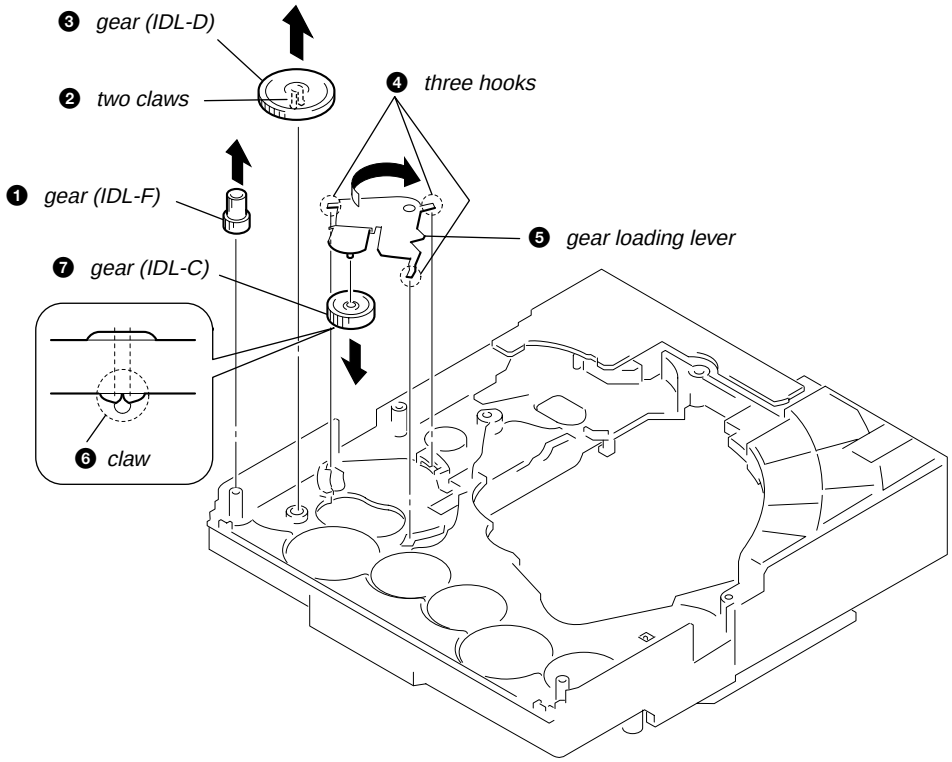
3-20. CLOSE LEVER



3-21. DIR LEVER, GEAR (IDL-B)



3-22. GEAR (IDL-C)



SECTION 4
TEST MODE

Note 1: Regarding the notification symbol "R"
Because the number of the operating buttons of this product are limited, some operations require use of the operating buttons of the remote commander (RM-SP320 supplied with the product). When a specific operation requires use of the operating buttons of the remote commander (RM-SP320), "R" is added to the specific operating procedure in this manual. Example
MENU/NO "R" The MENU/NO button of remote commander.

Note 2: Incorrect operations may be performed if the test mode is not entered properly.
In this case, press the I/⏻ button to turn the power off, and retry to enter the test mode.

1. Cold Reset

- The cold reset clears all data including preset data stored in the RAM to initial conditions. Execute this mode when returning the set to the customers.

Procedure:

1. Press the I/⏻ button to turn the power on.
2. While the power is ON (excluding the mode of Power-ON Animation mode), press the VOL – Sensor (on Touch Panel) and the press the ⏏ button simultaneously for several seconds.
3. The "Cold Reset" display appears for a while, then "Standby" display flashes, and finally enters "Power Off" (Standby Mode).

2. Disc Tray Lock

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

Procedure :

1. Press the I/⏻ button to turn the set on.
2. Press the FUNCTION "R" button or touch the FUNCTION button to set DVD function.
3. Insert a disc.
4. While the power is ON (excluding the mode of Power-ON Animation mode), touch the ■ Sensor (on Touch Panel) and press the ⏏ button simultaneously for several seconds.
5. The "Locked" display appears for a while and disc cannot be removed any more even if the ⏏ button is pressed.

* To release this mode, repeat the above operation. The "Unlocked" display appears and the Disc Tray Lock mode is canceled.

Note: When "LOCKED" is displayed, the slot lock is not released by turning power on/off with the I/⏻ button.

3. DVD Ship Mode

- This mode moves the optical pick-up to the position durable to vibration. Use this mode when returning the set to the customer after repair.

Procedure:

1. Press the I/⏻ button to turn the set on.
2. While the power is ON (excluding the mode of Power-ON Animation mode), press the FUNCTION "R" button to set the function "DVD".
3. Remove the disc.
4. Touch the ▶▶I Sensor (on Touch Panel) and press the ⏏ button simultaneously for several seconds with no disc inserted in the drive.
5. The "Mecha Lock" display appears for a while, then "Standby" display blinks, and finally enters "Power Off" (Standby Mode).

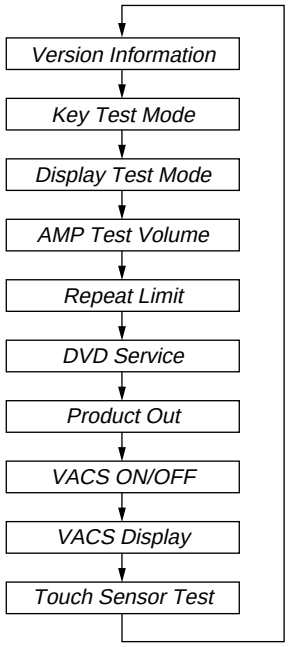
* If this operation is performed while the disc is inserted, "Not In Use" display appears.

4. TEST MODE

The test mode is prepared in this product. Refer to item 5. TEST MODE IN for the procedure how to enter the test mode, and to item 6. TEST MODE Advance to advance the test mode menu.

Note: Be sure to turn OFF the power of the product after the following test mode is completed.

[TEST MODE menu]



5. TEST MODE IN

1. When the product is already disassembled for repair, enter the test mode as follows. Press the TEST MODE key (S301) inside the product to enter the TEST MODE.
2. To enter the TEST MODE by the external operation (i.e., to enter the TEST MODE after the product is already re-assembled upon completion of repair), press the seven Touch Sensors in turn while pressing the ⏏ button.

Note: Using the TEST MODE IN function by the external operation is available only for the equipment with the production number of 10450 and onward.

6. TEST MODE MENU Advance

1. Press the TEST MODE key (S301) inside the product to advance the TEST MODE MENU.
2. If the product is already set in the TEST MODE, the MENU can be advanced by pressing the RETURN ↩ "R" button.

Note: The MENU advance function using the remote control is available only for the equipment with the production number of 10450 and onward.

7. Version Information

Procedure:

1. Press the TEST MODE key (S301) inside the product or the RETURN ↩ "R" button.
2. The version is displayed in order of GC, STR, DVD, and AREA.

8. Key Test Mode

Procedure:

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "Key Test" is displayed.
3. Press the ENTER "R" button while the message "Key Test" is being displayed. The message "Key Number 0" is displayed.
4. Each time a button is pressed, the key number increases.
5. The key test reaches its end when the "Key Number 2" is displayed.

9. Display Test Mode

Procedure:

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "Display Test" is displayed.
3. Press the ENTER "R" button while the message "Display Test" is being displayed. The Display Test Mode is activated.
4. Each time the TEST MODE key (S301) is pressed, the display changes as follows: (This operation cannot be performed externally.)
   All lights off → All lights on → Displays light on alternately Illuminate alternately → All lights off

10. AMP Test Volume

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "Amp Test Volume" is displayed.
3. Press the ENTER "R" button while the message "Amp Test Volume" is being displayed. The message "Amp Test Volume Min" is displayed.
4. Each time the → "R" button is pressed, display changes as follows:
   Min(0) → Cen (20) → Max (40) → Min (0)

11. Repeat Limit

Procedure:

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "Repeat Limit" is displayed.
3. Press the ENTER "R" button while the message "Repeat Limit" is being displayed. The message "Repeat Limit Command Out" is displayed.
4. Press the ENTER "R" button while the message "Repeat Limit Command Out" is being displayed. The message "Limit Off" is displayed.

12. DVD Service

Procedure:

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "DVD Service" is displayed.
3. Press the ENTER "R" button while the message "DVD Service" is being displayed. The message "DVD Service On" is displayed.
4. Press the ENTER "R" button while the message "DVD Service On" is being displayed. After a while, the message "SERVICE IN" is displayed, and "TEST MODE MENU" is then displayed on the on-screen display (OSD).

13. Product Out

This function is not available outside the factory. Please skip over this mode.

14. VACS ON/OFF

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "VACS On/Off" is displayed.
3. Press the ENTER "R" button while the message "VACS On/Off" is being displayed. Either the message "VACS On" or "VACS Off" is displayed.
4. Select either "VACS On" or "VACS Off" by the → "R" key.
5. After this check is completed, make sure to return the set to "VACS On".

15. VACS Display

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "VACS Display" is displayed.
3. Press the ENTER "R" button while the message "VACS Display" is being displayed. "VACS * " is displayed, where "*" represents numeric value.
4. If "VACS Off" is selected in step 14, "VACS Off" is displayed.

16. Touch Sensor Test

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. "QT SCAN" is displayed with the numbers of 0 to 9 after the character.
3. Press the Touch sensor while a number in the range of 0 to 9 is being displayed. The asterisk (*) is displayed next to the corresponding number when a touch sensor is touched.

DVD SECTION

[GENERAL DESCRIPTION]

The Test Mode allows you to make diagnosis and adjustment easily using the remote commander and monitor TV. The instructions, diagnostic results, etc. are given on the on-screen display (OSD).

[TEST DISC LIST]

Use the following test disc on test mode.

TDV-520CSO (DVD-SL): PART No. J-2501-236-A
LUV-P01 (CD): PART No. 4-999-032-01
TDV-540C (DVD-DL): PART No. J-2501-235-A

Note: Do not use exiting test disc for DVD.

[STARTING TEST MODE]

1. Press the TEST MODE key (S301) inside the product or the RETURN ↶ "R" button.
2. The message "DVD Service" is displayed.
3. Press the ENTER "R" button while the message "DVD Service" is being displayed. The message "DVD Service On" is displayed.
4. Press the ENTER "R" button while the message "DVD Service On" is being displayed. After a while, the message "SERVICE IN" is displayed, and displays the Test Mode Menu on the monitor screen as follows. (At the bottom of the menu screen, the model name and revision number are displayed)

```
          Test Mode Menu

0. Syscon Diagnosis
1. Drive Auto Adjustment
2. Drive Manual Operation
3. Mecha Aging
4. Emergency History
5. Mecha Error History
6. Version Information
7. Video Level Adjustment
                     Exit: POWER Key
Model    :DAV-LF1
Revision :x.xx
```

5. To execute each function, select the desired menu and press its number on the remote commander.
6. To release from test mode, press the I/⏻ button and turn the power off.

[OPERATING TEST MODE]

0. SYSCON DIAGNOSIS

The same contents as board detail check by serial interface can be checked from the remote commander operation.
On the Test Mode Menu screen, press 0 "R" key on the remote commander, and the following Check Menu will be displayed.

```
     ### Syscon Diagnosis ###

Check Menu
0. Quit
1. All
2. Version
3. EEPROM
4. GPIO
5. SD Bus
6. Video
```

0-0. Quit

Quit the Syscon Diagnosis and return to the Test Mode Menu.

0-1. All (All items continuous check)

This menu checks all diagnostic items continuously. Normally, all items are checked successively one after another automatically unless an error is found, but at a certain item that requires judgment through a visual check to the result, the following screen is displayed for the key entry.

• Example display

```
    ### Syscon Diagnosis ###

          Diag All Check
           No.2 Version

           2-2. Version
ROM Revision = X.XX



Press NEXT Key to Continue
Press PREV Key to Repeat
```

For the ROM Check, the check sum calculated by the Syscon is output, and therefore you must compare it with the specified value for confirmation.
Following the message, press the ▶▶I "R" button to go to the next item, or press the I◀◀ "R" button to repeat the same operation again.
To quit the diagnosis and return to Check Menu screen, press the RETURN ↶ "R" key on the remote commander to display Check Menu.

General Description of Checking Method

Selecting 2 and subsequent items calls the submenu screen of each item. And selecting 2 and subsequent items executes respective menus and outputs the results.
For the contents of each submenu, see "Check Items List" as below.

Check Items List:

0-2. Version
- 0-2-1. All
- 0-2-2. Revision
- 0-2-3. ROM Check Sum
- 0-2-4. Model Type
- 0-2-5. Region

0-3. EEPROM Check
- 0-3-1. Sampling Check
- 0-3-2. Detail Check

0-4. GP I/O Check

0-5. SD Bus Check

0-6. Video Check

0-2. Version

0-2-2. Revision
The revision number of ROM (IC206) that the program for the DVD system processor (IC207) is stored.

0-2-3. ROM Check Sum
The check sum of ROM (IC206) that the program for the DVD system processor (IC207) is stored.
(4 digits hexadecimal number)

0-2-4. Model Type
Model name is displayed. (DAV-LF1)

0-2-5. Region
Model destination code is displayed. (2 digits number)

0-3. EEPROM Check

0-3-1. Sampling Check
EEPROM check at every 64 words.
It compares read data with write data of each address.
When there are discrepancies between two data, it displays error.

0-3-2. Detail Check
EEPROM check at every 1 word.
It compares read data with write data of each address.
When there are discrepancies between two data, it displays error.

0-4. GP I/O Check

Pull up/down setting check of the DVD system processor (IC207) pin 150, 151 and 154 (for clock setting port).

0-5. SD Bus Check

SD bus data check between DVD decoder (IC701) and D-RAM (IC706).

0-6. Video Check

Output the color bars for video level adjustment.

1. DRIVE AUTO ADJUSTMENT

On the Test Mode Menu screen, press the 1 "R" key on the remote commander, and the Adjustment Menu will be displayed.

```
      ## Drive Auto Adjustment ##
             Adjustment Menu

  0. ALL
  1. DVD-SL
  2. CD
  3. DVD-DL




                          Exit: RETURN
```

Normally, 0 "R" is selected to adjust DVD (single layer), CD and DVD (dual layer) in this order. But, individual items can be adjusted for the case where adjustment is suspended due to an error. In this mode, the adjustment can be made easily through the operation following the message displayed on the screen.
The disc used for adjustment must be the one specified for adjustment.

1-0. ALL

Press the 0 "R" key on the remote commander, and the servo set data in EEPROM will be initialized. Then, 1. DVD-SL disc, 2. CD disc and 3. DVD-DL disc are adjusted in this order.
Each time one disc was adjusted, it is ejected. Replace it with the specified disc following the message. You can finish the adjustment by pressing the RETURN "R" button on the remote commander.

Note: During adjustment of each disc, the measurement for disc type judgment is made. As automatic adjustment does not judge the disc type unlike conventional models, take care not to insert wrong type discs. Also, do not give a shock during adjustment.

1-1. DVD-SL (single layer)

Press the 1 "R" key on the remote commander and insert a DVD single layer disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

DVD Single Layer Disc Adjustment Steps:

1. Sled tilt reset
2. Disc check memory SL
3. Wait 300 msec
4. Set disc type SL
5. LD on
6. Spindle start
7. Wait 1 sec
8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. Wait 1 sec
14. Sled on
15. Check CLV on
16. Auto LFO adjust
17. Auto focus offset adjust
18. Auto tilt position adjust
19. Auto focus gain adjust
20. Auto focus offset adjust

21. EQ boost adjust
22. Auto loop filter offset adjust
23. Auto track gain adjust

Search Check

24. 32 track jump forward
25. 32 track jump reverse
26. 500 track jump forward
27. 500 track jump reverse

28. All servo stop
29. EEP copy loop filter offset

1-2. CD

Press the 2 "R" key on the remote commander and insert a CD disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

CD Adjustment Steps

1. Sled tilt rest
2. Disc check memory CD
3. Wait 500 msec
4. Set disc type CD
5. LD on
6. Spindle start
7. Wait 500 msec
8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. (TC display start)
14. Wait 1 sec
15. Jitter display start
16. Sled ON
17. Check CLV on
18. Auto loop filter offset adjust
19. Auto focus offset adjust
20. Auto focus gain adjust
21. Auto focus offset adjust
22. EQ boost adjust
23. Auto LFO Adjust
24. Auto track gain adjust

Search Check

25. 32Tj forward
26. 32Tj reverse
27. 500Tj forward
28. 500Tj reverse

29. All servo stop

1-3. DVD-DL (dual layer)

Press the 3 "R" key on the remote commander and insert a DVD dual layer disc following the message. Then the adjustment will be made through the steps below, then adjusted values will be written to the EEPROM.

DVD Dual Layer Disc Adjustment Steps:

1. Sled tilt reset
2. Disc check memory DL
3. Wait 500 msec
4. Set disc type DL
5. LD on
6. Spindle start
7. Wait 1 sec

Layer 1 Adjust

8. Focus servo on 0
9. Auto track offset adjust
10. CLVA on
11. Wait 500 msec
12. Tracking on
13. Wait 500 msec
14. Sled on
15. Check CLV lock
16. Auto loop filter offset adjust, Auto focus adjust
17. Auto focus gain adjust
18. Auto focus offset adjust
19. EQ boost adjust
20. Auto loop filter offset adjust
21. Auto Track Gain Adjust

Search Check

22. 32 track jump forward
23. 32 track jump reverse
24. 500 track jump forward
25. 500 track jump reverse

Layer 0 Adjust

26. Focus jump (L1 → L0)
27. Auto track offset adjust L0
28. CLVA on
29. Wait 500 msec
30. Tracking on
31. Wait 500 msec
32. Sled on
33. Check CLV lock
34. Auto focus filter offset adjust
35. Auto Focus Adjust
36. Auto focus gain adjust
37. Auto focus offset adjust
38. EQ boost adjust
39. Auto Loop Filter Offset
40. Auto track gain adjust

Search Check

41. 32 track jump forward
42. 32 track jump reverse
43. 500 track jump forward
44. 500 track jump reverse

Layer Jump Check

45. Layer jump (L0 → L1)
46. Layer jump (L1 → L0)

47. All servo stop

2. DRIVE MANUAL OPERATION

Note: This mode is used for design, and not used in service fundamentally.

On the Test Mode Menu screen, press the 2 "R" key on the remote commander, and the Operation Menu will be displayed. For the manual operation, each servo on/off control and adjustment can be executed manually.

```
   ## Drive Manual Operation ##
         Operation Menu
 1. Disc Type
 2. Servo Control
 3. Track/Layer Jump
 4. Non EEPROM Write Adjust
 5. EEPROM Write Adjust
 6. Memory Check
 7. Disc Check Memory
 8. Error Rate Display
 9. SACD Water Mark

                      Exit: RETURN
```

In using the manual operation menu, take care of the following points. These commands do not provide protection, thus requiring correct operation. The sector address or time code field is displayed when a disc is loaded.

Note:
1. Set correctly the disc type to be used on the Disc Type screen.
2. In case of an alarm, immediately touch the ■ button to stop the servo operation, and press the I/⏻ button to turn the power off.

Basic operation:

(controllable from front panel or remote commander)

I/⏻	: Power OFF (release the Test Mode)
■	: Servo stop
⏏	: Stop and eject/Loading
RETURN "R"	: Return to Operation Menu or Test Mode Menu
⏮ "R", ⏭ " R"	: Transition between sub modes of menu
1 "R" to 9 "R", 0 "R"	: Selection of menu items
Cursor ↑ "R" / ↓ "R"	: Increase/Decrease in manually adjusted value

2-1. Disc Type

```
                Disc Type

              Disc Type Select

    1. Disc Type Auto Check
    2. Set Disc Type DVD
    3. Set Disc Type CD
    4. Set Disc Type Hybrid




                              Exit: RETURN
```

2-1-1. Disc Type Auto Check

1) Press the 1 "R" key on the remote commander to display the Disc Type Auto Check screen.
2) Insert a disc and press the ENTER "R" key on the remote commander.
3) It judges the type of inserted disc automatically and displays the disc type and so on as below.

```
          Disc Type Auto Check

    Disc Type    xx
    Layer        xx
    Mirr Time    xx
    Mirr Count   xx
    FZC Count    xx
    PI Reference xx
    PI Peak      xx

    ENTER.Execute

                              Exit: RETURN
```

Disc Type : CD, DVD or Hybrid (SACD)
Layer : SINGLE, DUAL or HYBRID
Mirr Time : Mirror time of between disc surface and record surface when disc type judgment. (hexadecimal number)
Mirr Count : The number of times which mirror counts between disc surface and record surface when disc type judging.
FZC Count : The number of times which focus zero cross points of each layer when lens down.
PI Reference : The average of PI reference voltage. (hexadecimal number)
PI Peak : PI peak level voltage. It performs only when disc type judgment is successful. (hexadecimal number)

2-1-2. Disc Type DVD

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

1: DVD single layer disc (12 cm)
2: DVD dual layer disc (0 layer, 12 cm)
3: DVD dual layer disc (1 layer, 12 cm)
4: DVD-RW disc (12 cm)
5: DVD single layer disc (8 cm)
6: DVD dual layer disc (0 layer, 8 cm)
7: DVD dual layer disc (1 layer, 8 cm)
8: DVD-RW disc (8 cm)

2-1-3. Disc Type CD

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

1: CD disc (normal speed, 12 cm)
2: CD disc (double speed, 12 cm)
3: CD disc (normal speed, 8 cm)
4: CD disc (double speed, 8 cm)
5: CD-RW disc (normal speed, 12 cm)
6: CD-RW disc (double speed, 12 cm)
7: CD-RW disc (normal speed, 8 cm)
8: CD-RW disc (double speed, 8 cm)

2-1-4. Disc Type Hybrid

It sets up so that it may judge as a disc type of specification of the disc with which the set was inserted.

1: SACD Hybrid disc (SACD layer, 12 cm)
2: SACD Hybrid disc (CD layer, normal speed, 12 cm)
3: SACD Hybrid disc (CD layer, double speed, 12 cm)
4: SACD Hybrid disc (SACD layer, 8 cm)
5: SACD Hybrid disc (CD layer, normal speed, 8 cm)
6: SACD Hybrid disc (CD layer, double speed, 8 cm)

2-2. Servo Control

Note: Be sure to perform the disc type setup before performing this item.

```
              Servo Control
    1.LD         off R.Sled FWD
    2.Focus      off L.Sled REV
    3.SPDL       off U.Sled Reset
    4.CLVA       off D.Sled Limit
    5.Trk.       off
    6.Sled       off
    7.Fcs.Srch   off
    8.Fcs.OppL   off

    0.All Servo Off

                              Exit: RETURN
```

On this screen, the servo on/off control necessary for replay is executed. Normally, turn on each servo from 1 sequentially and when CLVA is turned on, the usual trace mode becomes active. In the trace mode, DVD sector address or CD time code is displayed. This is not displayed where the spindle is not locked.
The spindle could run overriding the control if the spindle system is faulty or RF is not present. In such a case, do not operate CLVA.

[1] LD : Turn on/off the laser.
[2] Focus : Search the focus and turn on the focus.
[3] SPDL : Turn on/off the spindle.
[4] CLVA : Turn on/off normal servo of spindle servo.
[5] Trk. : Turn on/off the tracking servo.
[6] Sled : Turn on/off the sled servo.
[7] FCS. Srch : Turn on/off the focus search.
[8] FCS. OppL : Turn on/off the focus search to another (opposite) layer of designated layer in Disc Type setting. (dual layer disc only)
[0] : All servo off.
[→] Sled FWD (right cursor) : Move the sled forward.
[←] Sled REV (left cursor) : Move the sled reverse.
[↑] Sled FWD (up cursor) : Reset the sled.
[↓] Sled REV (down cursor) : Limit in the sled.

2-3. Track/Layer Jump

```
          Track/Layer Jump
1.  1Tj        FWD
2.  1Tj        REV
3.500Tj Fine   FWD
4.500Tj Fine   REV
5.10kTj Dirc   FWD
6.10kTj Dirc   REV
7.20kTj Dirc   FWD
8.20kTj Dirc   REV

0. All Servo Off

                        Exit: RETURN
```

On this screen, track jump, etc. can be performed. Only for the DVD dual layer disc, the focus jump and layer jump are displayed in the right field

[1] 1Tj FWD : 1 track jump forward.
[2] 1Tj REV : 1 track jump reverse.
[3] 500Tj FWD : 500 track jump (fine search)forward.
[4] 500Tj REV : 500 track jump (fine search) reverse.
[5] 10kTj FWD : 10k track jump (direct search) forward.
[6] 10kTj REV : 10k track jump (direct search) reverse.
[7] 20kTj FWD : 20k track jump (direct search) forward.
[8] 20kTj REV : 20k track jump (direct search) reverse.
[0] : All servo off.

2-4. Non EEPROM Write Adjust

```
      Non EEPROM Write Adjust

1. Focus     Offset
2. Focus     Gain
3. Trk.      Offset Coarse
4. Trk.      Offset Fine
5. Trk.      Gain
6. EQ Boost

0.All Servo Off


                        Exit: RETURN
```

On this screen, each item can be adjusted manually. Select the desired number [1 "R"] to [6 "R"] from the remote commander, and current setting for the selected item will be displayed, then increase or decrease numeric value with the [← "R"] key or [→ "R"] key. This value is stored in the EEPROM. If CLV has been applied, the jitter is displayed for reference for the adjustment.

[1] Focus Offset : Adjusts focus offset.
[2] Focus Gain : Adjusts focus gain.
[3] TRK. Offset : Adjusts tracking offset of the RF amp (IC001) side.
[4] TRK. Offset : Adjusts tracking offset of the DSP (IC509) side.
[5] TRK. Gain : Adjusts track gain.
[6] EQ Boost : Adjusts amount of boost of equalizer.
[0] : All servo off.

2-5. EEPROM Write Adjust

```
          EEPROM Write Adjust

1. Focus  Offset
2. Focus  Gain
3. Trk.   Offset Coarse
4. --------------------
5. Trk.   Gain
6. EQ     Boost

0.All Servo Off


                        Exit: RETURN
```

On this screen, each item can be adjusted automatically. Select the desired number [1 "R"] to [6 "R"] from the remote commander, and selected item is adjusted automatically.

[1] Focus Offset : Adjusts focus offset.
[2] Focus Gain : Adjusts focus gain.
[3] TRK. Offset : Adjusts tracking offset of the RF amp (IC001) side.
[5] TRK. Gain : Adjusts track gain.
[6] EQ Boost : Adjusts amount of boost of equalizer.
[0] : All servo off.

2-6. Memory Check

Display images are shown as follows, and all two screens are able to switch by the [↑ "R"] key (UP) or [↓ "R"] key (DW).

```
EEPROM Data 1/2 CD   SL   L0   L1
Focus Gain      xx   xx   xx   xx
Trk.  Gain      xx   xx   xx   xx
Focus Offset    xx   xx   xx   xx
Trk.  Offset    xx   xx   xx   xx
EQ.   Boost     xx   xx   xx   xx
PI    Level     xx   xx   --   --
Fcs. Balance    --   xx   --   --
Jitter          xx   xx   xx   xx
Mirror Time     xx   xx   xx   --
FE Level        --   xx   --   --
Traverse Lv1.   --   xx   --   --
Next:DW Default:CLR    Exit:RET
```

```
EEPROM Data 2/2      CDRW DVDRW
Focus  Gain           xx   xx
Trk.   Gain           xx   xx
Focus  Offset         xx   xx
Trk.   Offset         xx   xx
EQ.    Boost          xx   xx




Next:UP Default:CLR      Exit:RET
```

On this screen, current servo adjusted data stored in the EEPROM are displayed. The adjusted data are initialized by pressing the CLEAR "R" key, but be careful that they are not recoverable after initialization.
Before clearing the adjusted data, make a note of the set data. This screen will also appear if 0 All is selected in the Drive Auto Adjustment. In this case, default setting cannot be made.

2-7. Disc Check Memory

```
        Disc Check Memory

  1. SL Disc check
  2. CD Disc check
  3. DL Disc check









                      Exit: RETURN
```

On this screen, measure the mirror time of chucked disc, and write to the EEPROM.

2-8. Error Rate Display

```
        Error Rate Display
             UC    CR Address
PI1 Err Now xx xxxx xxxxxxxx
        Max xx xxxx xxxxxxxx
        Avg xx xxxx
PI2 Err Now xx xxxx xxxxxxxx
        Max xx xxxx xxxxxxxx
        Avg xx xxxx
PO  Err Now xx xxxx xxxxxxxx
        Max xx xxxx xxxxxxxx
        Avg xx xxxx

Start: ENTER          Stop: RETURN
```

On this screen, measure and display the error rate.

UC : Incorrect value
CR : Correct value
Add: Address

2-9. SACD Water Mark Check

```
       SACD Water Mark Check



 PSP AMP
 PSN









 Start: ENTER          Stop: RETURN
```

On this screen, measure the PSP AMP value and PSN value of SACD water mark.

3. MECHA AGING

On the Test Mode Menu screen, selecting 3 "R" displays the aging test menu.

Note: MECHA AGING is not available in this set.

```
       ### Aging Test MENU ###
   ** Pls use over 40min. CD **
          Operation Menu

 1. Open/Close Test









                        Exit: RETURN
```

4. EMERGENCY HISTORY

On the Test Mode Menu screen, selecting 4 "R" displays the information such as servo emergency history.
The history information from last 1 up to 10 can be scrolled with the ↑ "R" key or ↓ "R" key. Also, specific information can be displayed by directly entering that number with ten keys.

```
        ### EMG. History ###

   Laser Hours   CD  xxxxhxxm
                 DVD xxxxhxxm

 a. bb xx xx xx  xx xx xx xx
    xx xx xx xx  xx xx xx xx

 a. bb xx xx xx  xx xx xx xx
    xx xx xx xx  xx xx xx xx

  Select:1-9         Scroll:UP/DOWN
  (1.Latest EMG.)      Exit: RETURN
```

xxxxhxxm : The laser on total hours. Data below minutes are omitted.
a. : Error number.
bb : Error code.
xx : Not used.

• Clearing History Information

Clearing laser hours:

Press the [DISPLAY "R"] and [CLEAR "R"] keys in thisorder. Then both CD and DVD data are cleared.

Clearing emergency history:

Press the [TOP MENU "R"] and [CLEAR "R"] keys in this order.

Initializing set up data:

Press [MENU "R"] and [CLEAR "R"] keys in this order. The data have been initialized when "EEPROM Initialize Finished." message is displayed. The EMG. History screen will be restored soon.

• Code list of Emergency History

10: Communication to RF AMP (IC001) failed.
11: Each servo for focus, tracking, and spindle is unlocked.
12: Check sum error of EEPROM (IC204).
14: Communication to servo DSP (IC509) failed, or servo DSP (IC509) is faulty.
15: Communication to DVD decoder (IC701) failed, or DVD decoder (IC701) is faulty.
16: Communication to DSD decoder (IC801) failed, or DSD decoder (IC801) is faulty.
20: Initialization of sled servo failed. It is not placed in the initial position.
23: Sled servo operation error.
24: Made a request to move the sled servo to wrong position.
30: Tracking balance adjustment error.
31: Tracking gain adjustment error.
33: Focus bias adjustment error.
34: Focus gain adjustment error.
35: Equalizer adjustment error.
40: Focus servo does not operate.
41: With a DVD dual layer disc, focus jump failed.
50: CLV (spindle) servo does not operate.
51: Spindle does not stop.
60: Made a request to seek nonexistent address.
61: Seek error of retry more than regulated times.
70: Control data could not be read.
80: Disc reading failed.

5. MECHA ERROR HISTORY

On the Test Mode Menu screen, selecting [5 "R"] displays the information of mechanism deck error history.

The history information from last 1 up to 8 can be scrolled with the [▲ "R"] key or [▼ "R"] key. Also, specific information can be displayed by directly entering that number with ten keys.

```
    ### Mecha Error History ###

  1. aa bb cc xx xx xx xx xx
  2. aa bb cc xx xx xx xx xx
  3. aa bb cc xx xx xx xx xx
  4. aa bb cc xx xx xx xx xx
  5. aa bb cc xx xx xx xx xx
  6. aa bb cc xx xx xx xx xx
  7. aa bb cc xx xx xx xx xx
  8. aa bb cc xx xx xx xx xx

                    Scroll:UP/DOWN
 (1.Latest Err.)      Exit: RETURN
```

aa: Initialization is completed or not.
- FF : Complete.
- other number : Not complete.

bb: Operating status of mechanism deck at an error occurred. (lod sq jcp)
- 00 : Initializing.
- 10 to 15 : Open operating.
- 16 to 19 : Kicking cause open failed.
- 1A to 1F : Open operating.
- 20 to 27 : Complete the open operation.
- 28 : No disc and complete the open operation.
- 29 to 2F : Complete the open operation.
- 30 to 3F : Close requesting.
- 40 to 4F : Open requesting.
- 50 to 5F : Close operating.
- 60 to 6F : Complete the chucking operation.
- 80 to 8F : Complete the release operation. (BU is home position)
- 90 to 9F : BU down operating.
- A0 to AF : Opening/closing the shutter. Or stationary state in open/close the shutter is enablement.
- B0 to BF : BU up requesting.
- C0 to CF : BU down requesting.
- D0 to DF : BU upping.
- E0 to EF : No disc checking in disc loading.

cc: Operating status of mechanism deck at an error occurred. (lod oq jcp)
- 00 : Complete the operation.
- 10 to 1F : Open operating.
- 20 to 2F : Close operating.
- 30 to 3F : Release operating.
- 60 to 6F : Chucking operating.
- 70 to 7F : Kicking operating.
- 80 to 8F : Returning the BU to home position. (after kicking)

6. VERSION INFORMATION

On the Test Mode Menu screen, selecting [6 "R"] displays the ROM version and region code.

The parenthesized hexadecimal number in version field is checksum value of ROM.

```
     ## Version Information ##

  IF con.          Ver.x. xx

  SYScon.          Ver.x. xx  (xxxx)
       Model       DAV-LF1
       Region      0x
       Config      xxxxxxxx
                   xxxxxxxx

 Front End Ver.x.xx

                          Exit: RETURN
```

IF con. : The version of system controller (IC301).
SYScon. : The version of DVD system processor (IC207).
Front End : The version of mechanism controller (IC901).

7. VIDEO LEVEL ADJUSTMENT

On the Test Mode Menu screen, selecting [7 "R"] displays color bars for video level adjustment. During display of color bars, OSD disappears but the menu screen will be restored if pressing the [RETURN ↶ "R"] key.

SECTION 5
ELECTRICAL ADJSTMENT

DVD SECTION

AUTO SERVO ADJUSTMENT

After parts related to the servo circuit (RF amplifier (IC001), DSP (IC509), motor driver (IC501), EEPROM (IC903) so on) are replaced, re-adjusting the servo circuit is necessary. Select “ALL” at “1. DRIVE AUTO ADJUSTMENT” (Refer to page 26 in TEST MODE) and adjust DVD-SL (single layer), CD and DVD-DL (dual layer).

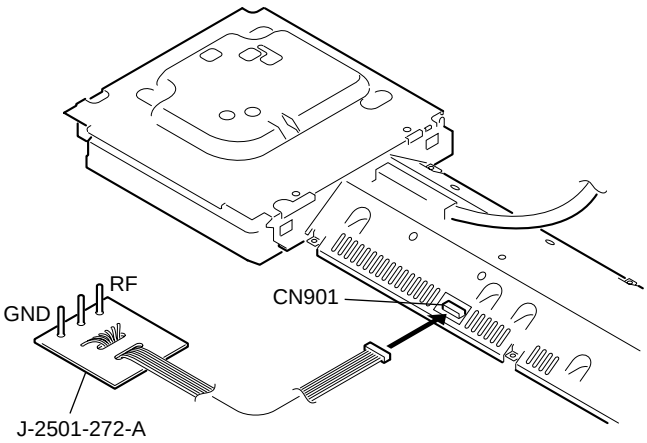
[TEST DISC LIST]

Use the following test disc on test mode.
TDV-520CSO (DVD-SL): PART No. J-2501-236-A
LUV-P01 (CD): PART No. 4-999-032-01
TDV-540C (DVD-DL): PART No. J-2501-235-A
Note: Do not use exiting test disc for DVD.

[RFMON Level Check]

By using the special jig (J-2501-272-A), checking RF signal waveform can carry out easily.

Connection:

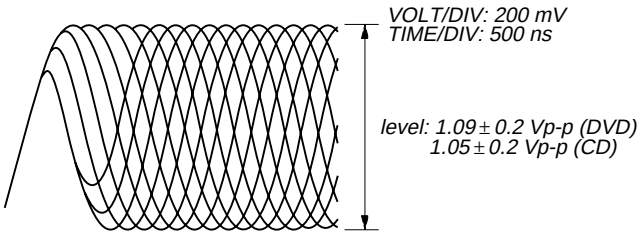


Procedure:

1. Connect an oscilloscope to RF pin and GND pin on the special jig (J-2501-272-A).
2. Turn the power on.
3. Set the test disc (DVD: TDV-520CSO, CD: LUV-P01) on the tray and touch the ▶II button to playback.
4. Confirm that oscilloscope waveform is clear and check RFMON signal level is correct or not.

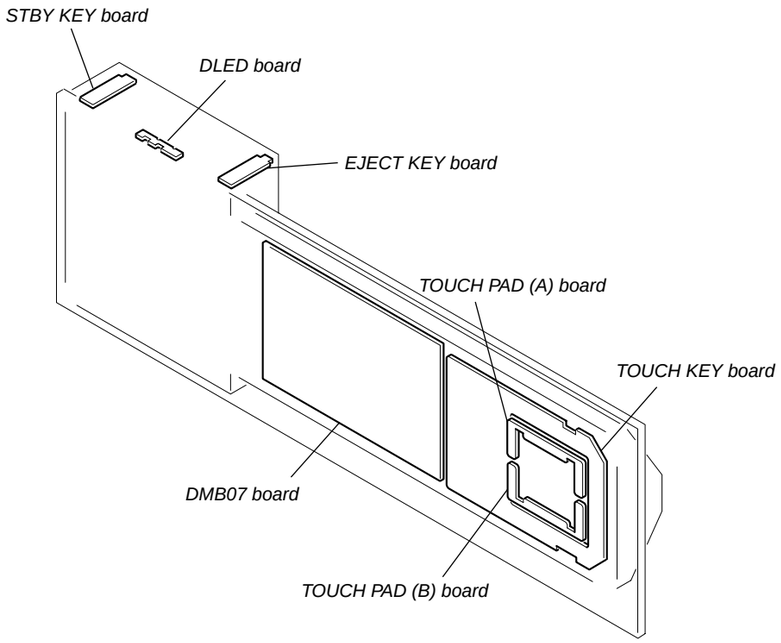
Note: A clear RFMON signal waveform means that the shape “◊” can be clearly distinguished at the center of the waveform.

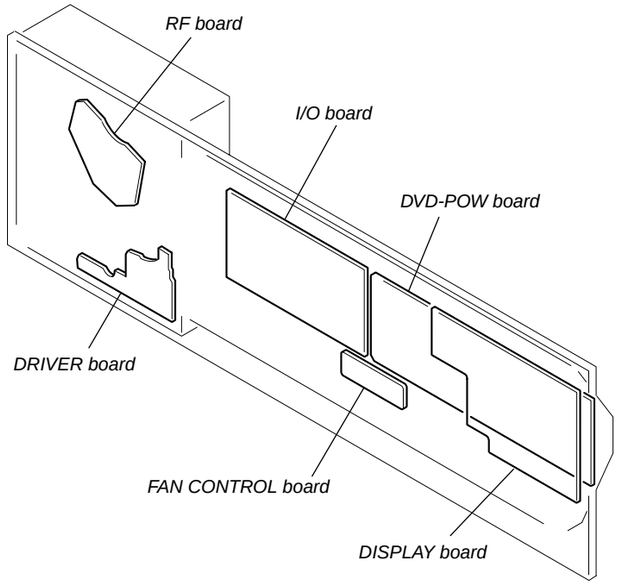
RFMON signal waveform



SECTION 6
DIAGRAMS

- **Circuit Boards Location**





THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Schematic Diagrams.
Note:
- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

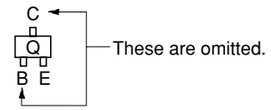
- ▬ : B+ Line.
- ▭ : Adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : DVD STOP
  ∗ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : AUDIO
  ⇨ : TUNER
  ⇨ : CD PLAY
  ⇨ : DVD PLAY
  ⇨ : SACD PLAY
  ⇨ : VIDEO
  ⇨ : Y
  ⇨ : CHROMA
  ⇨ : COMPONENT VIDEO
  ⇨ : R, G, B
- Abbreviation
  AUS : Australian model.
  CND : Canadian model.
  E41 : Chilean and peruvian models.
  EA : Saudi Arabia model.
  HK : Hong Kong model.
  KR : Korea model.
  MX : Mexican model.
  RU : Russian model.
  SP : Singapore model.
  TW : Taiwan model.

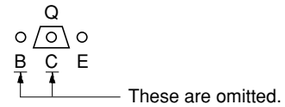
For Printed Wiring Boards.
Note:
- ○——○ : parts extracted from the component side.
- ○ : Through hole.
- △ : internal component.
- ▭ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

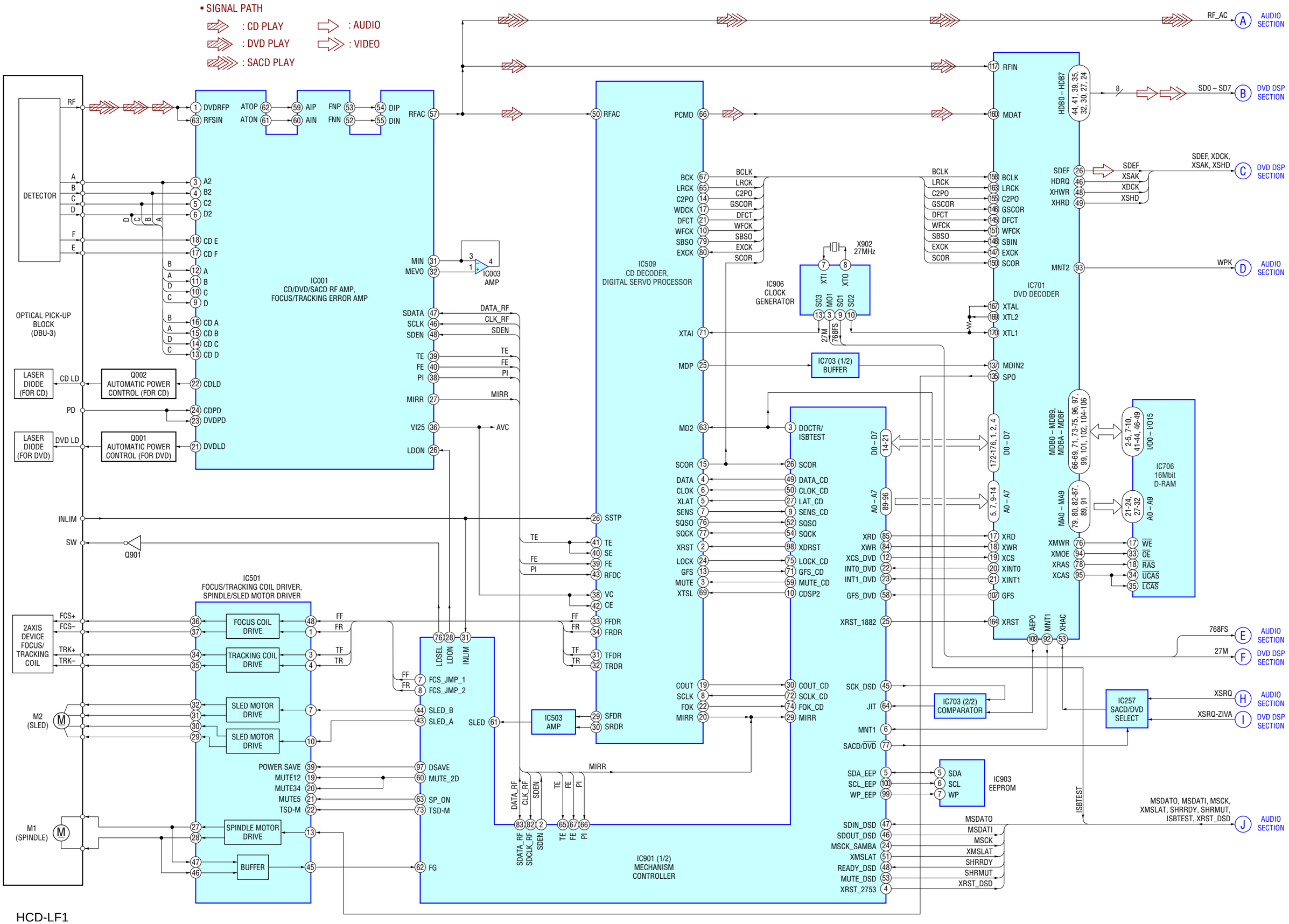
Caution:	
Pattern face side: (SIDE B)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE A)	Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor.

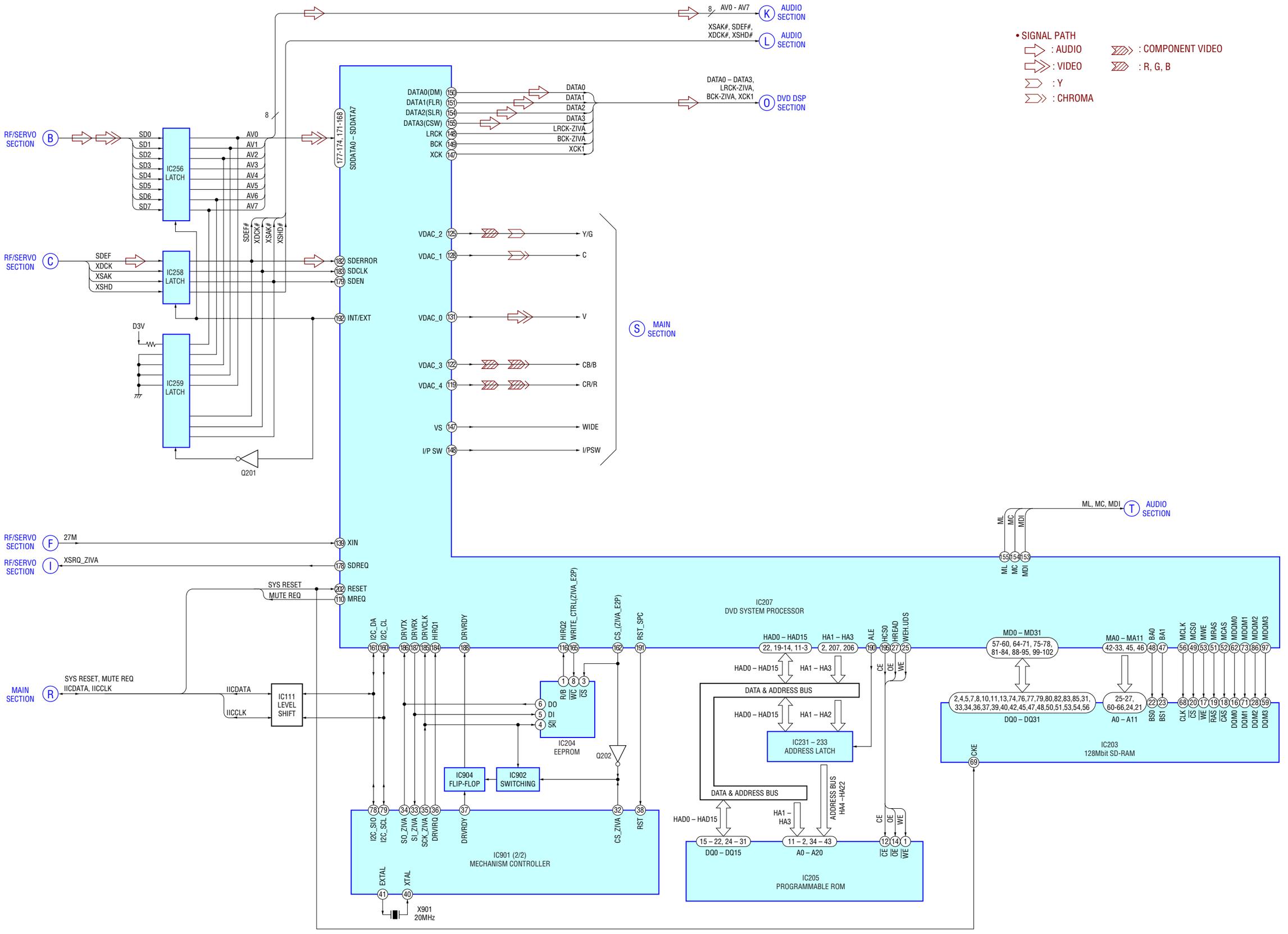




6-1. BLOCK DIAGRAM — RF SERVO SECTION —

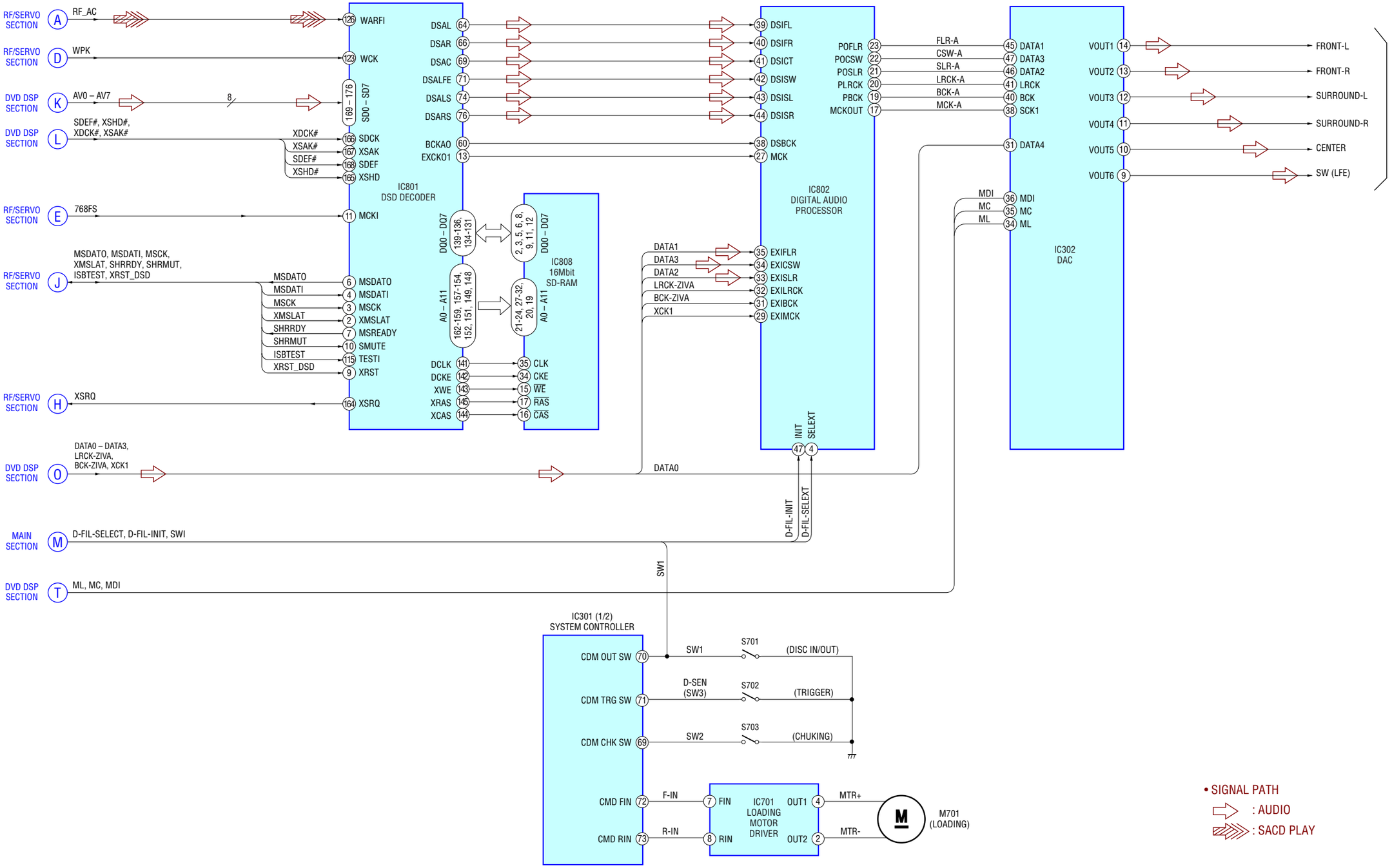


— DVD DSP SECTION —

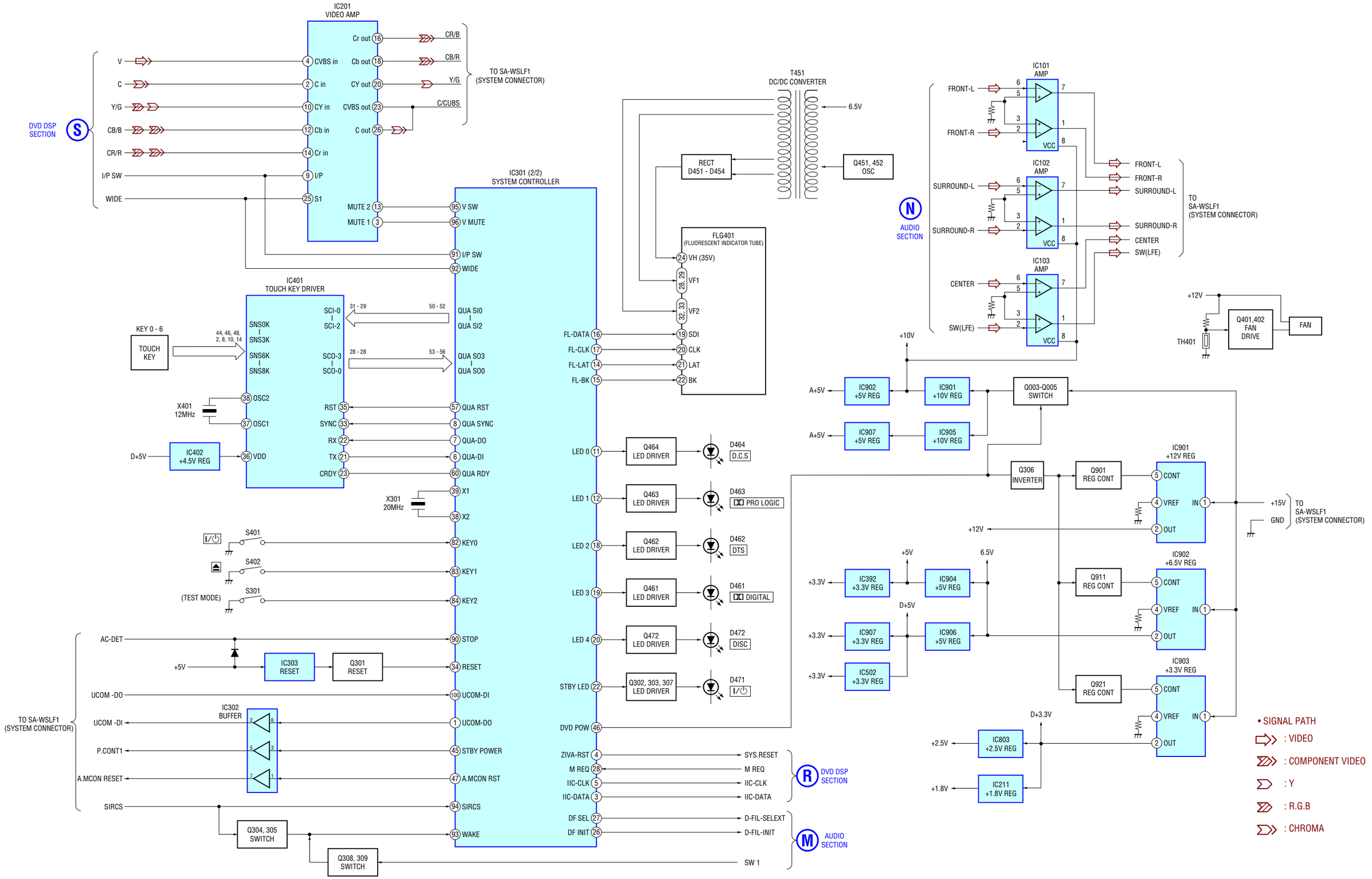


• SIGNAL PATH
: AUDIO
: VIDEO
: Y
: CHROMA
: COMPONENT VIDEO
: R, G, B

— AUDIO SECTION —

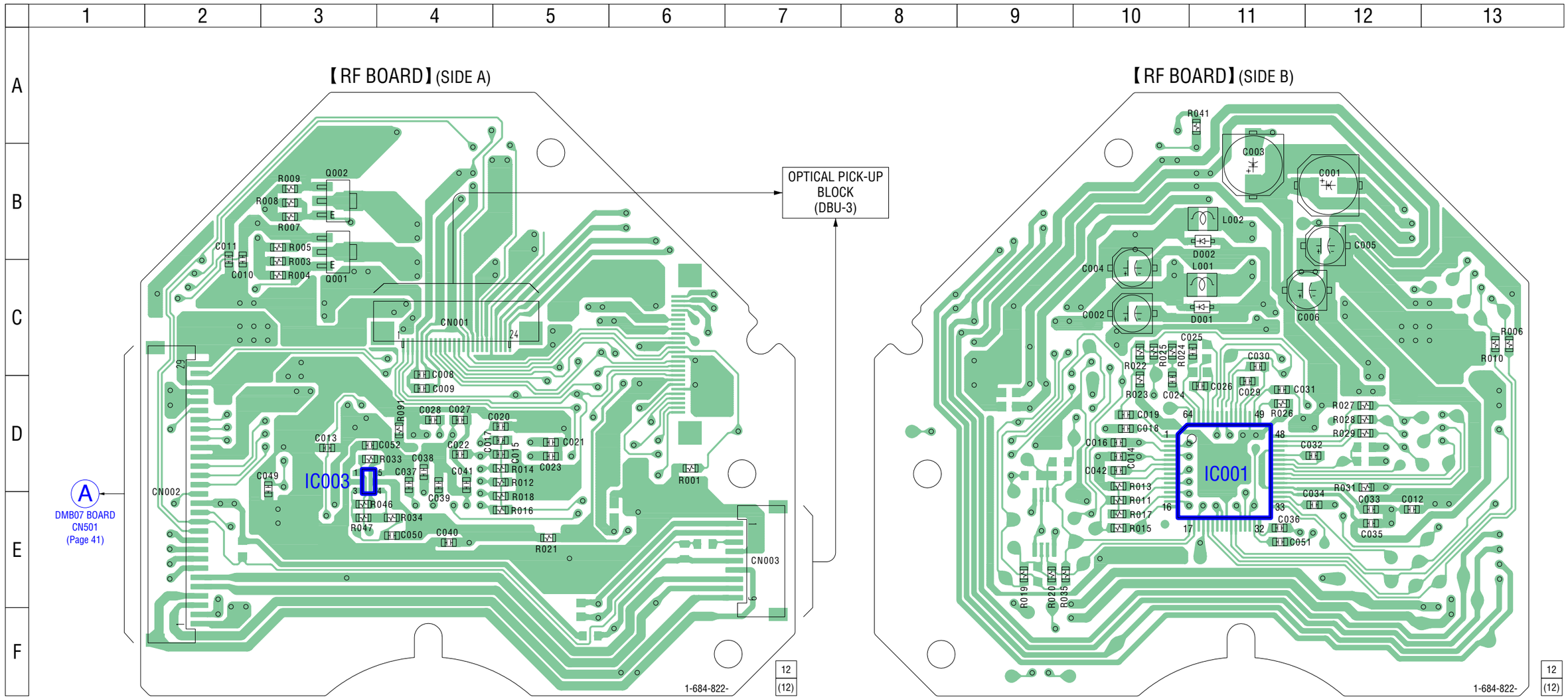


— MAIN SECTION —



6-2. PRINTED WIRING BOARD — RF SECTION —

• See page 33 for Circuit Boards Location.

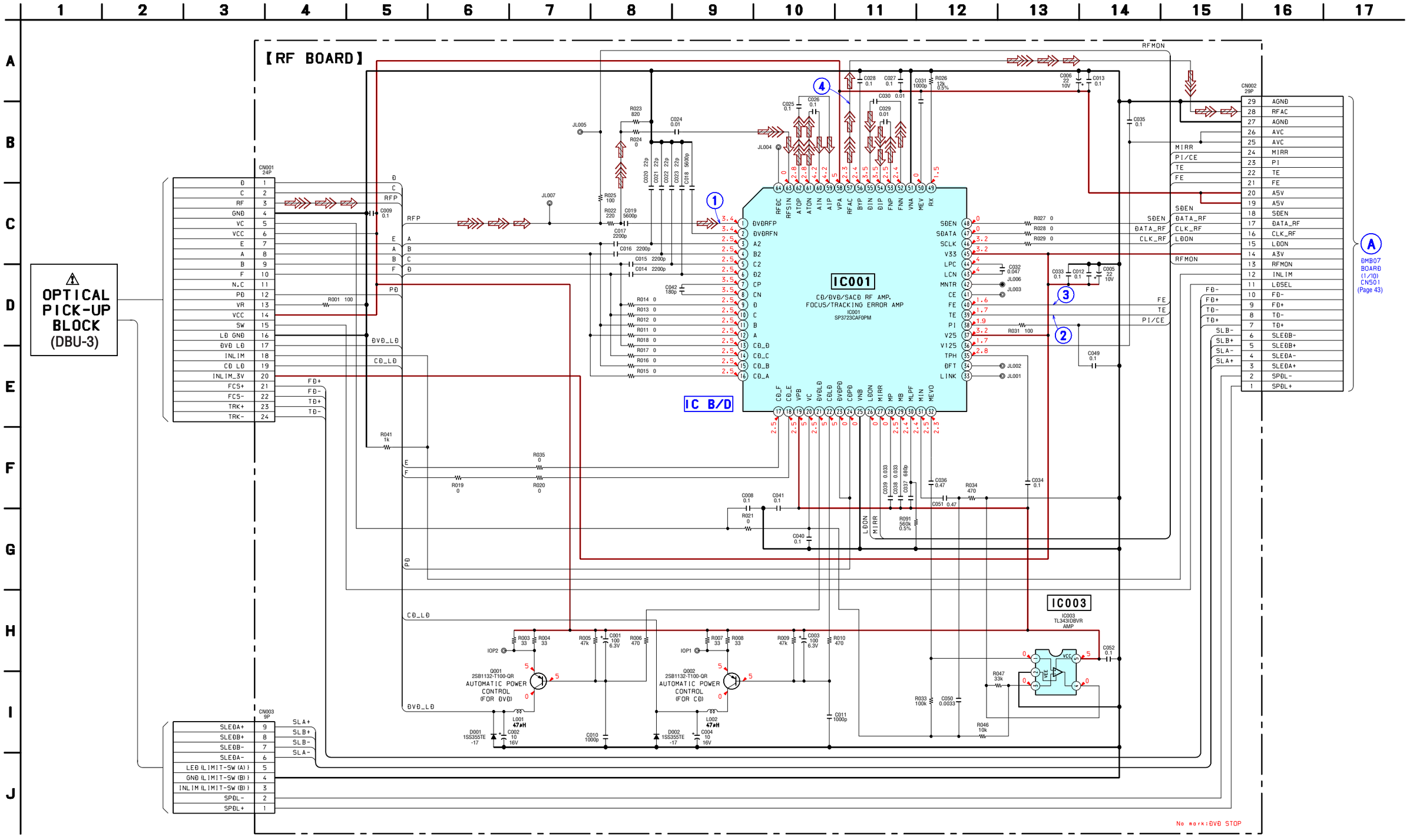


• **Semiconductor Location**

Ref. No.	Location
D001	C-11
D002	B-11
IC001	D-11
IC003	D-4
Q001	C-3
Q002	B-3

6-3. SCHEMATIC DIAGRAM — RF SECTION —

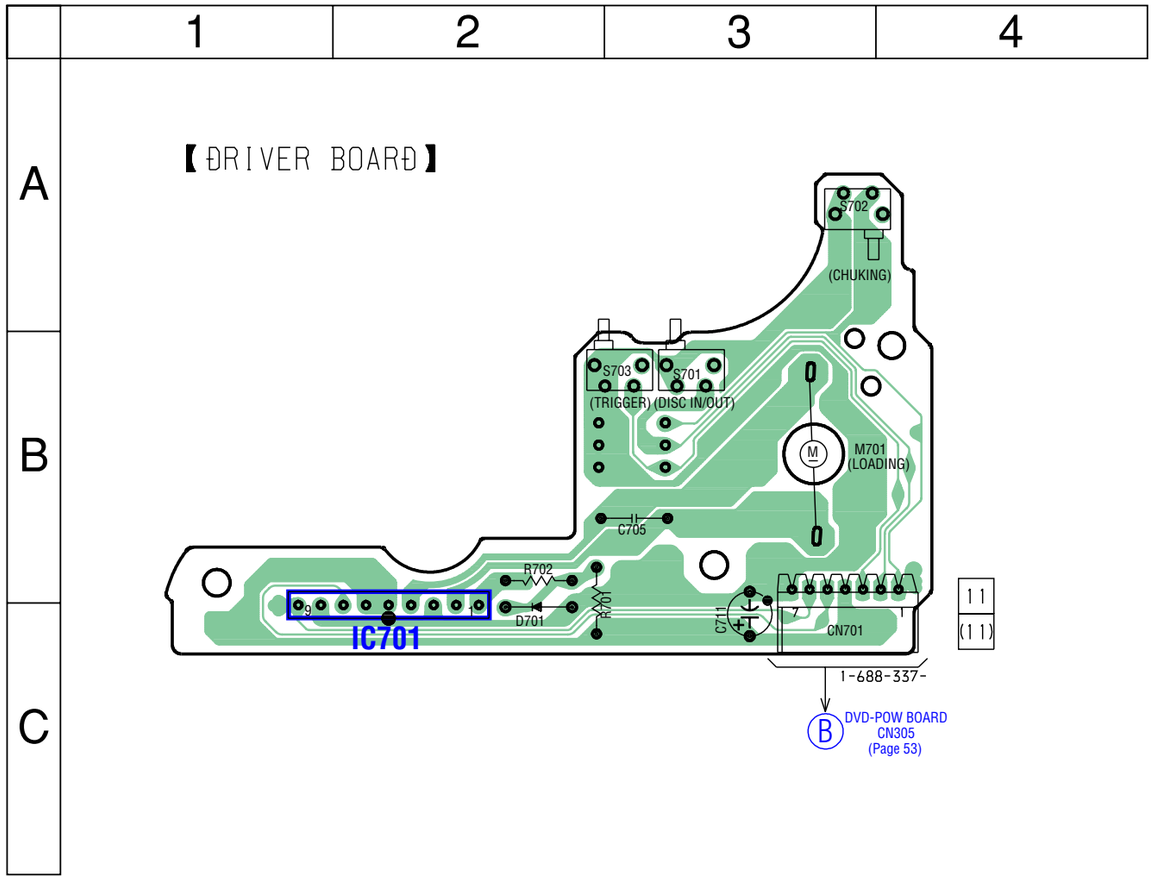
• See page 63 for IC Block Diagram. • See page 62 for Waveforms.



6-4. PRINTED WIRING BOARD — DRIVER SECTION —

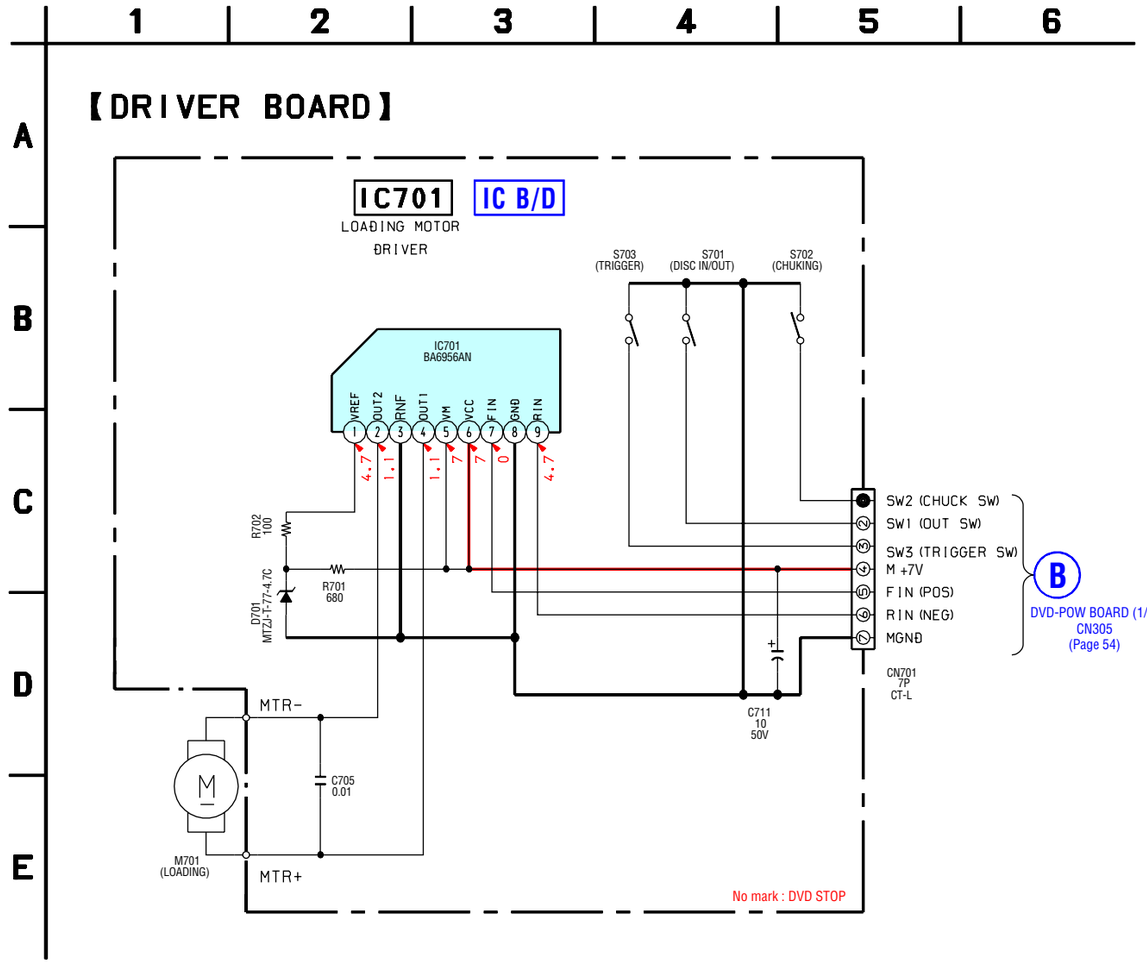
:Uses unleaded solder.

• See page 33 for Circuit Boards Location.



6-5. SCHEMATIC DIAGRAM — DRIVER SECTION —

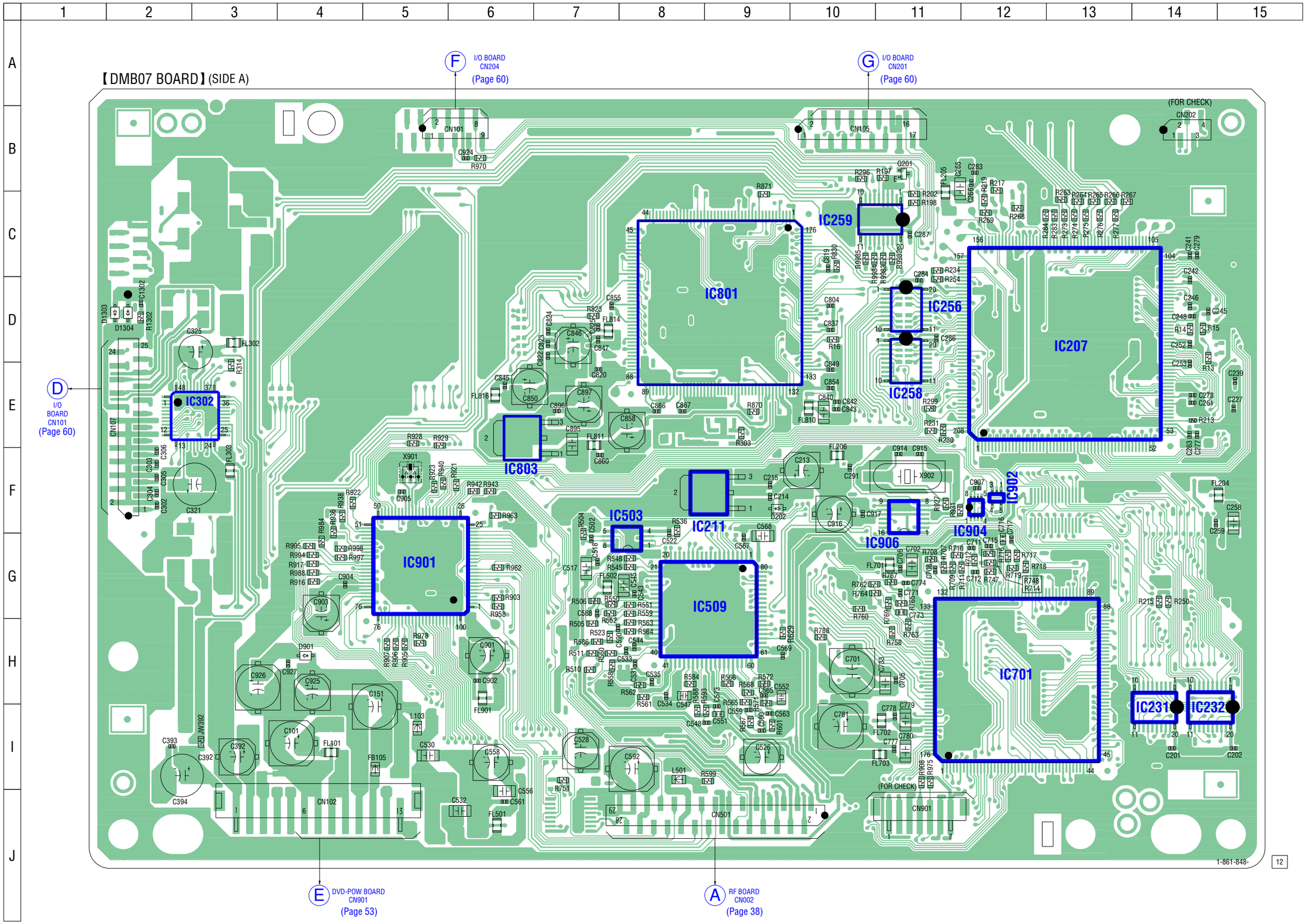
• See page 67 for IC Block Diagram.



6-6. PRINTED WIRING BOARD — DMB07 SECTION (SIDE A) —

• See page 33 for Circuit Boards Location.

【DMB07 BOARD】(SIDE A)



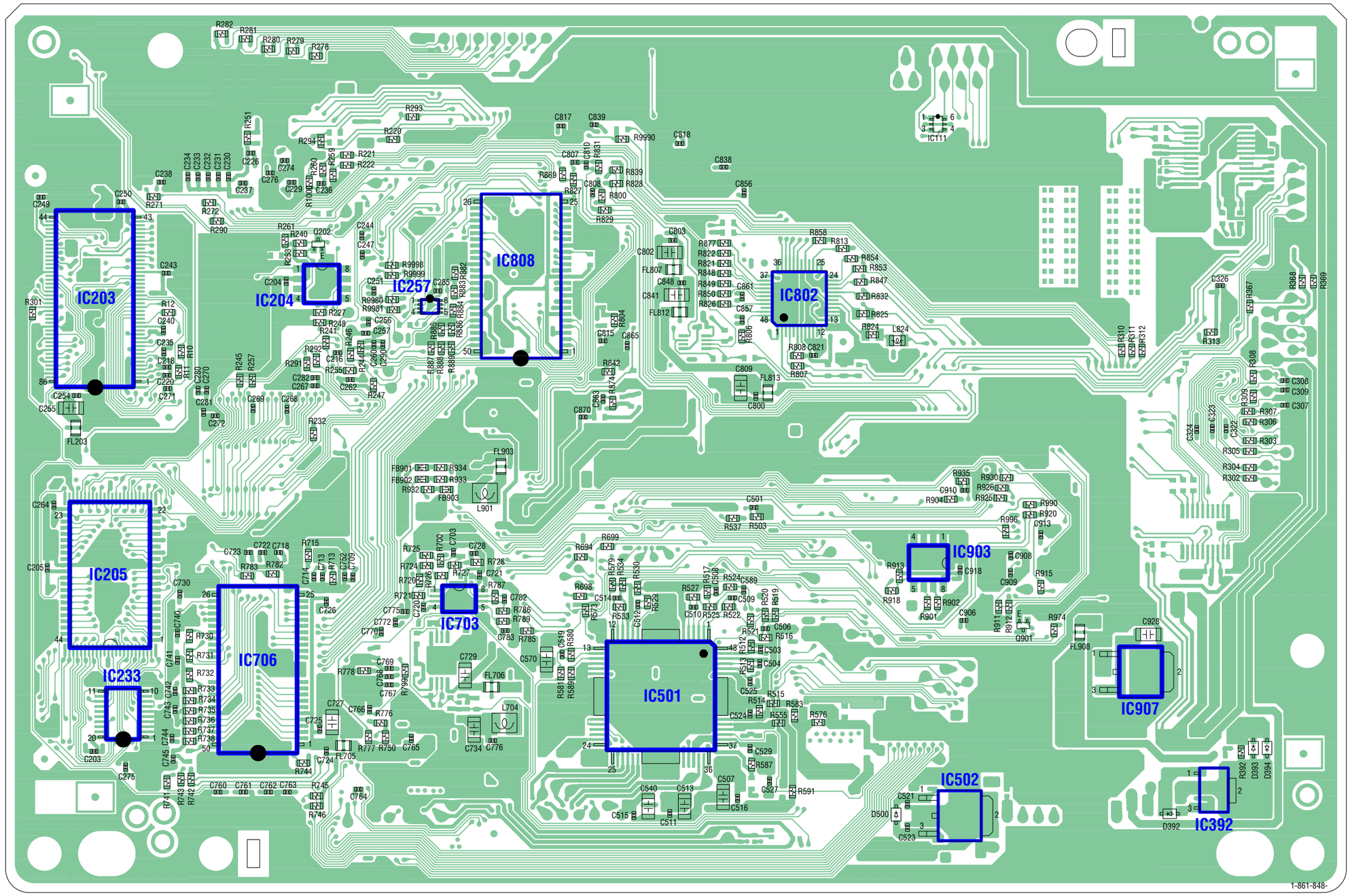
- **Semiconductor Location**

Ref. No.	Location
D202	F-9
D901	H-4
D1303	D-2
D1304	D-2
IC207	D-13
IC211	F-9
IC231	I-14
IC232	I-14
IC256	D-11
IC258	D-11
IC259	C-11
IC302	E-2
IC503	G-8
IC509	G-9
IC701	H-12
IC801	D-9
IC803	E-6
IC901	G-5
IC902	F-12
IC904	F-12
IC906	F-11
Q201	B-11

6-7. PRINTED WIRING BOARD — DMB07 SECTION (SIDE B) —

• See page 33 for Circuit Boards Location.

【DMB07 BOARD】(SIDE B)

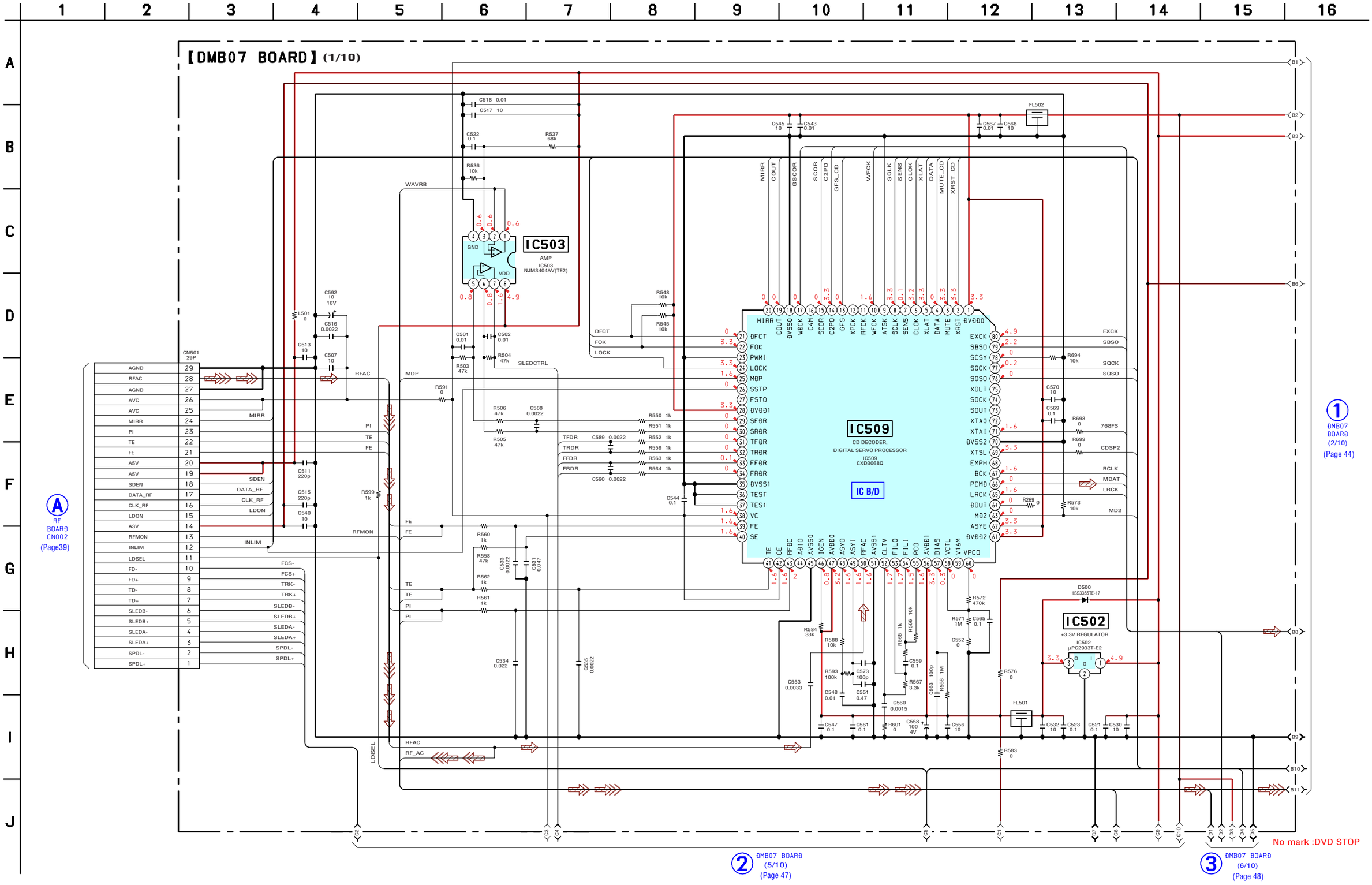


• **Semiconductor Location**

Ref. No.	Location
D392	I-13
D393	I-14
D394	I-14
D500	J-10
IC111	C-10
IC203	D-2
IC204	D-4
IC205	G-2
IC233	I-2
IC257	D-5
IC501	H-8
IC502	J-11
IC703	G-6
IC706	H-3
IC802	D-9
IC808	D-6
IC903	G-10
IC907	H-13
Q202	D-4
Q901	H-11

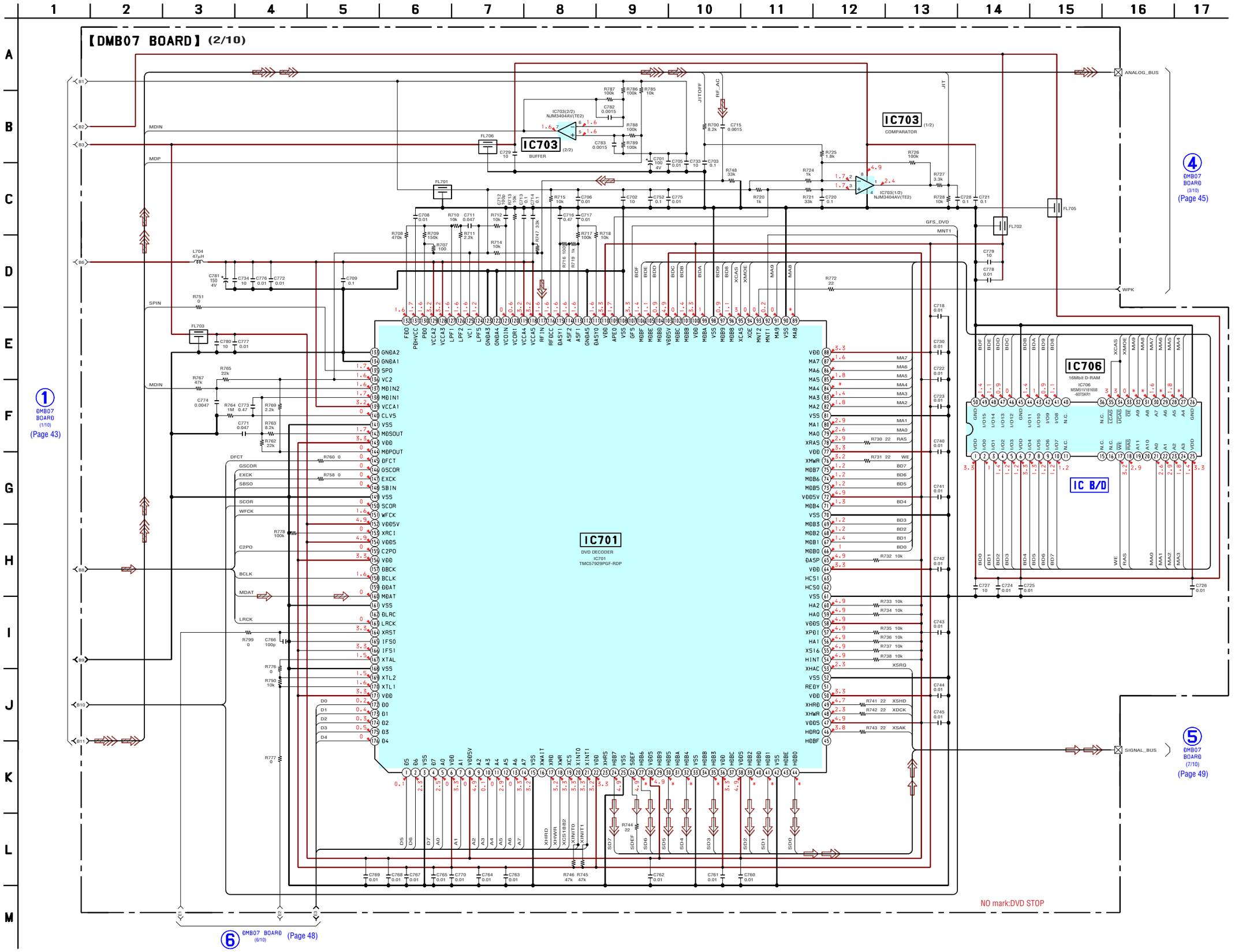
6-8. SCHEMATIC DIAGRAM — DMB07 SECTION (1/10) —

• See page 64 for IC Block Diagrams.



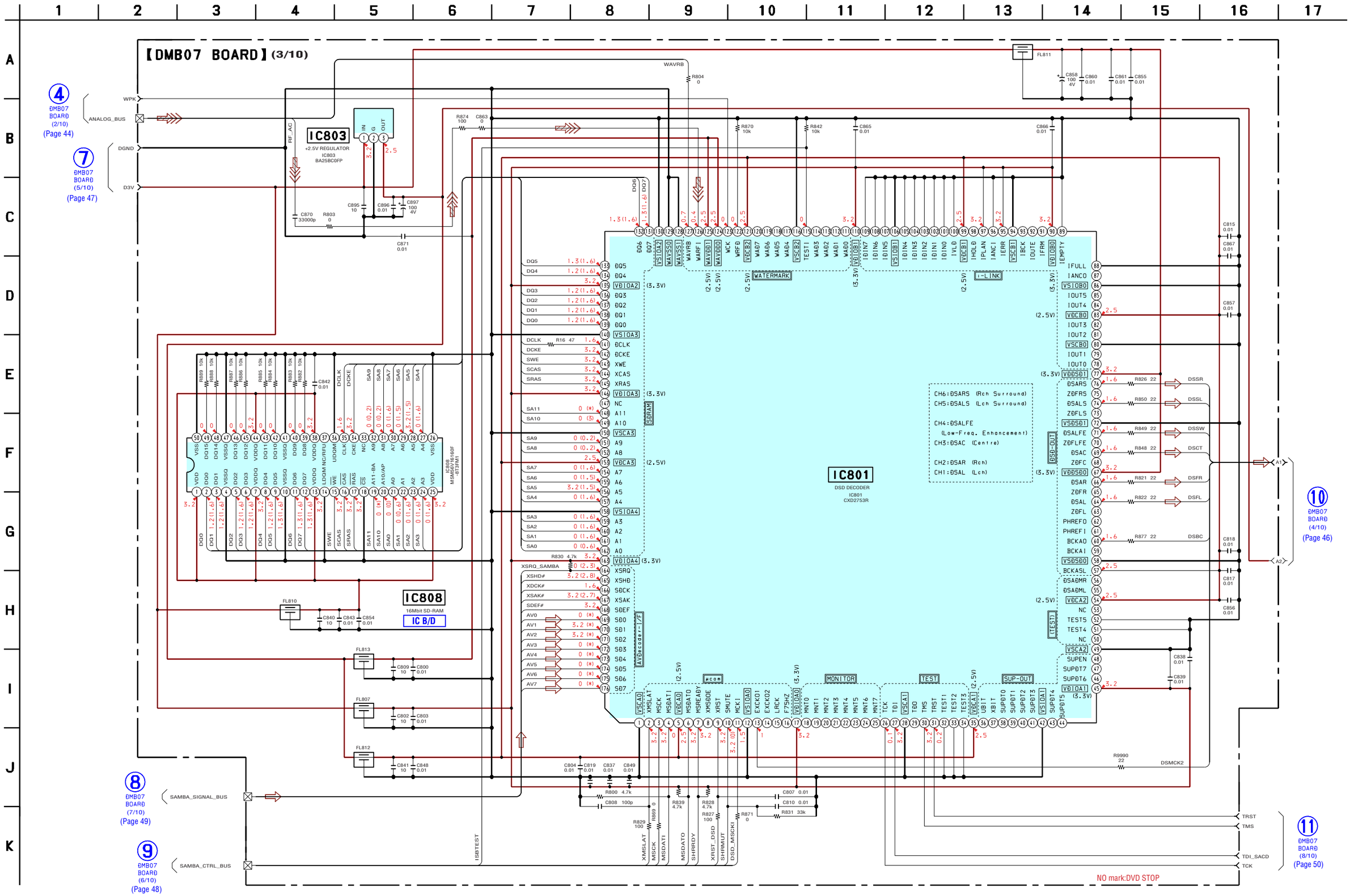
6-9. SCHEMATIC DIAGRAM — DMB07 SECTION (2/10) —

• See page 64 for IC Block Diagrams. • See page 72 for IC Pin Function Description.



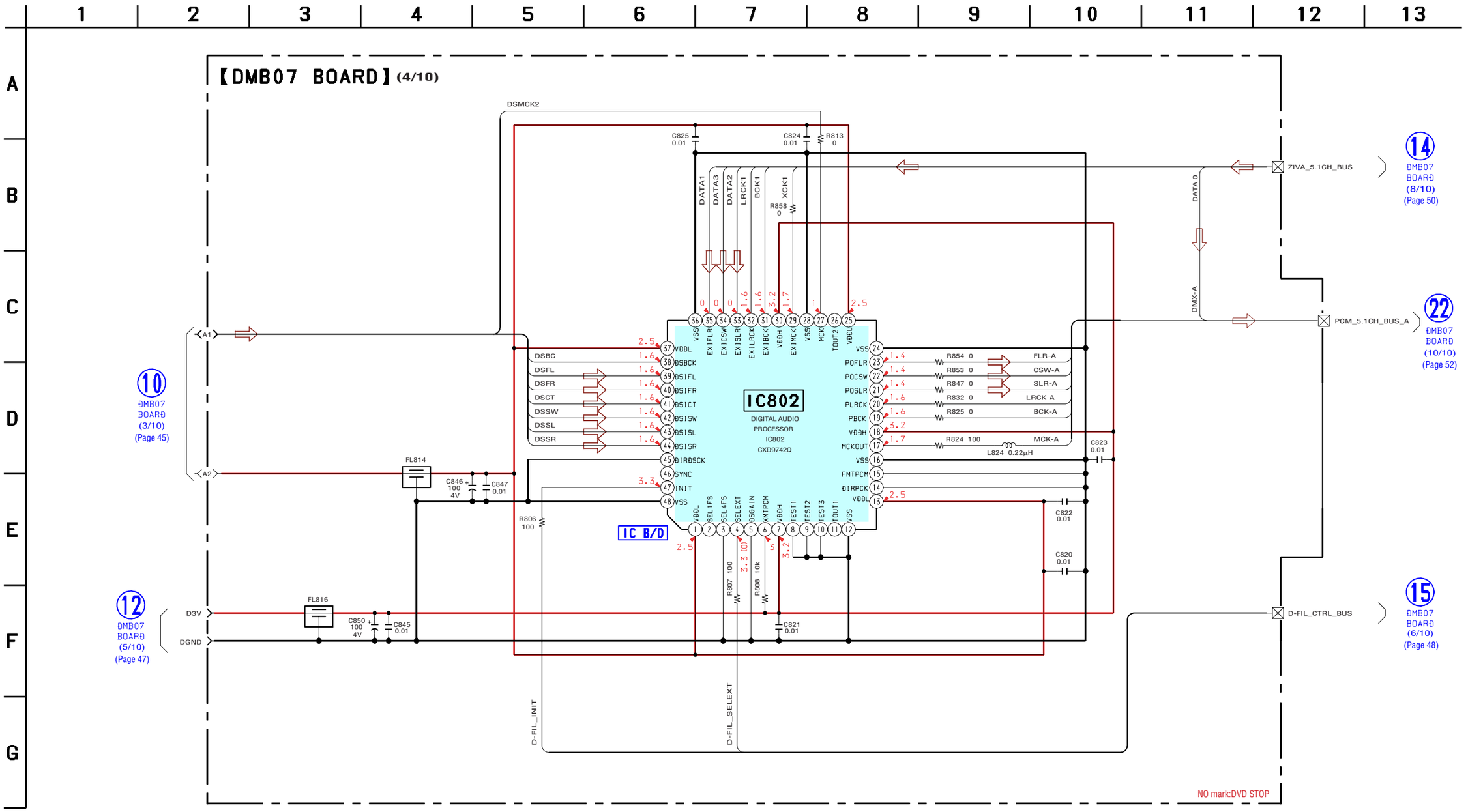
6-10. SCHEMATIC DIAGRAM — DMB07 SECTION (3/10) —

• See page 65 for IC Block Diagrams. • See page 76 for IC Pin Function Description.

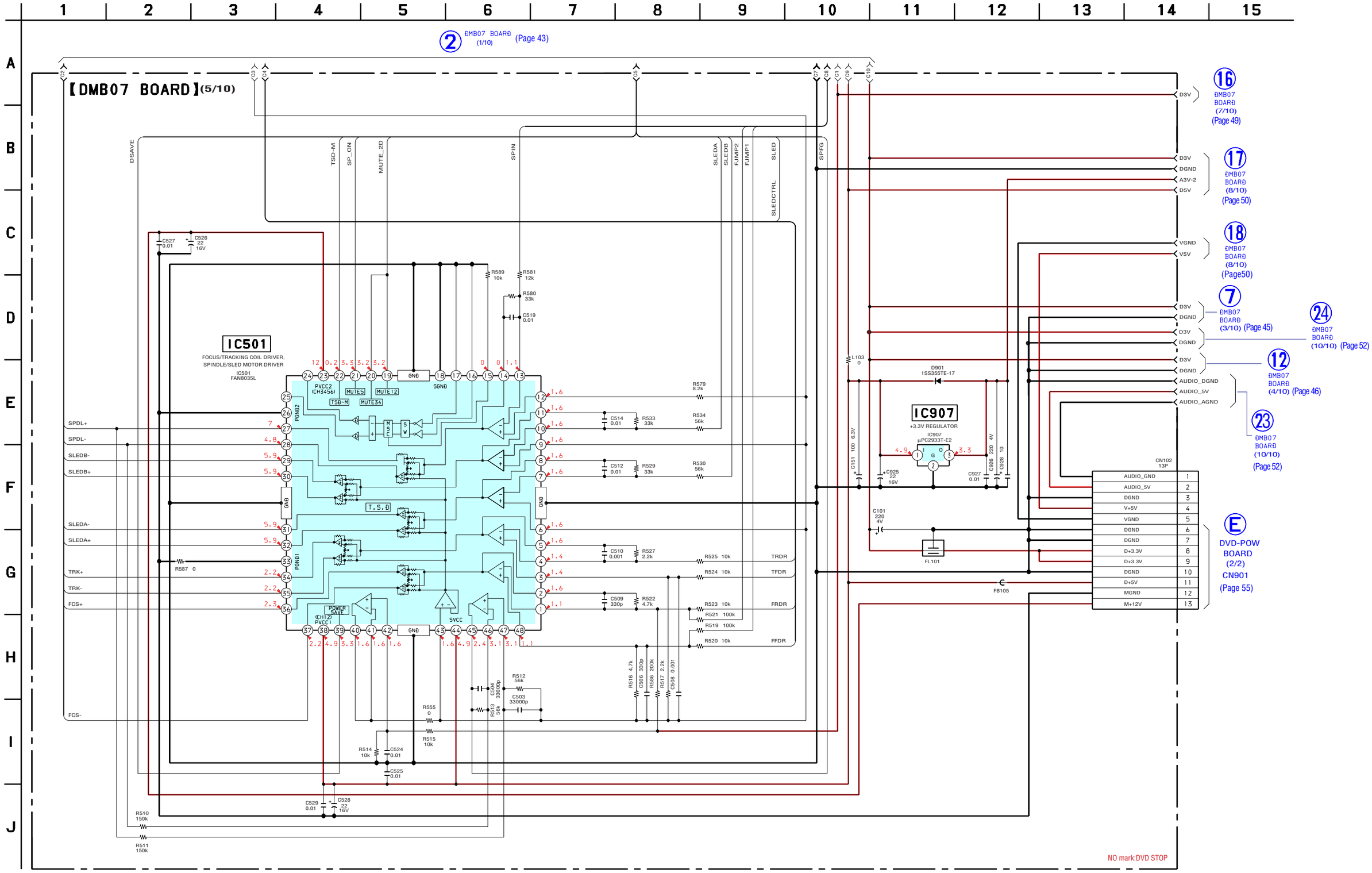


6-11. SCHEMATIC DIAGRAM — DMB07 SECTION (4/10) —

• See page 66 for IC Block Diagrams.

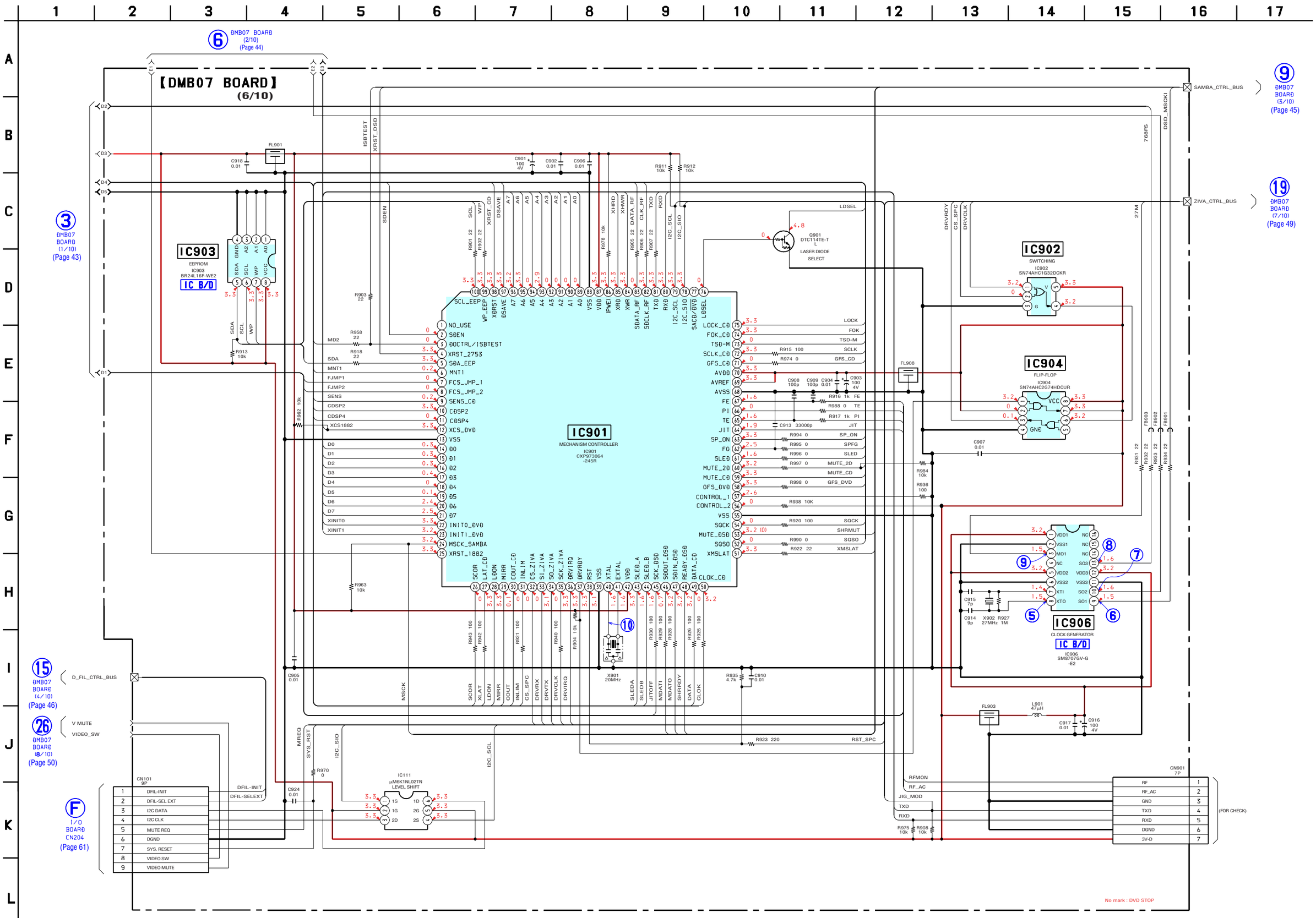


6-12. SCHEMATIC DIAGRAM — DMB07 SECTION (5/10) —



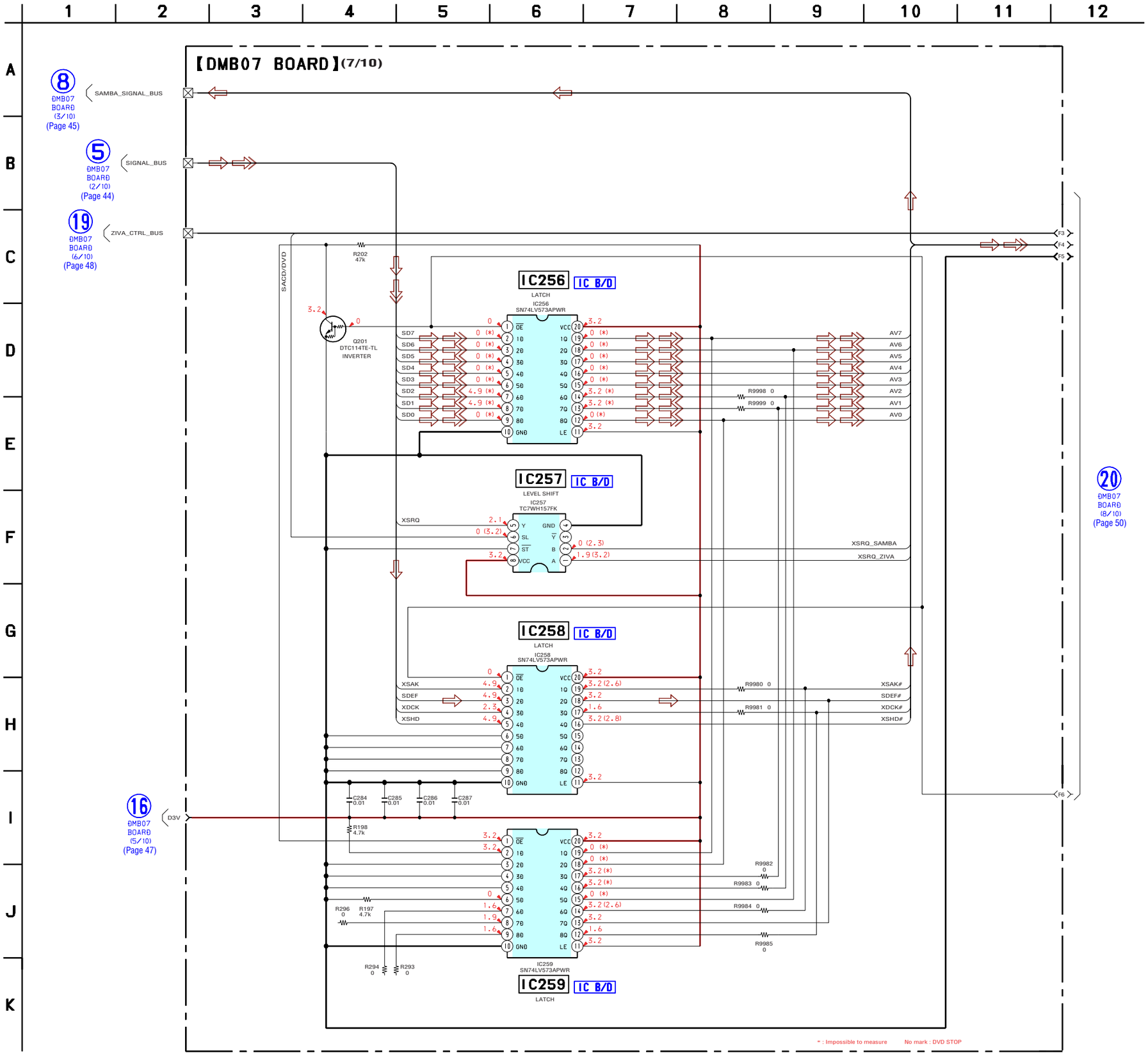
6-13. SCHEMATIC DIAGRAM — DMB07 SECTION (6/10) —

• See page 65, 66 for IC Block Diagrams. • See page 62 for Waveforms. • See page 79 for IC Pin Function Description.



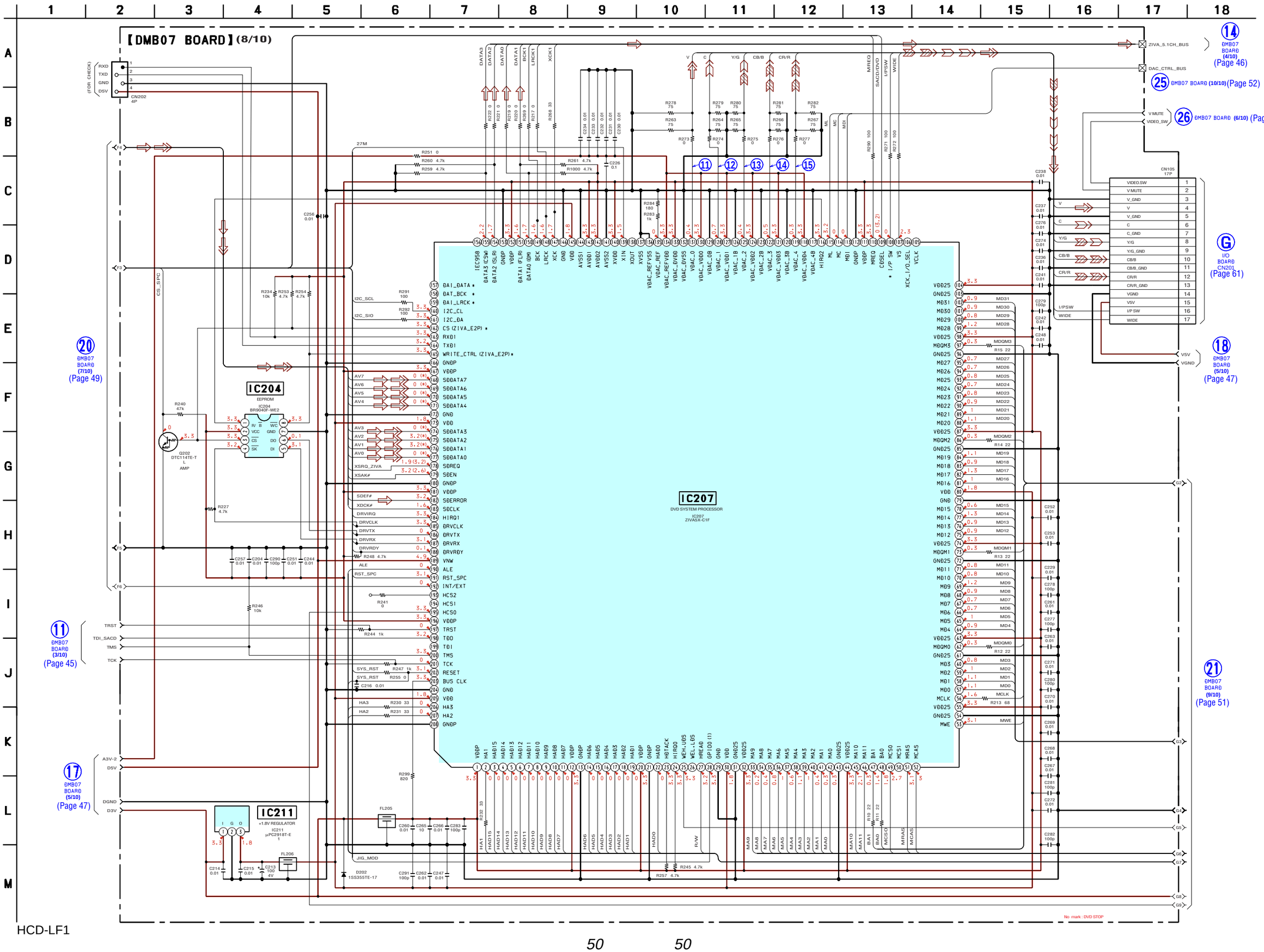
6-14. SCHEMATIC DIAGRAM — DMB07 SECTION (7/10) —

• See page 66 for IC Block Diagrams.



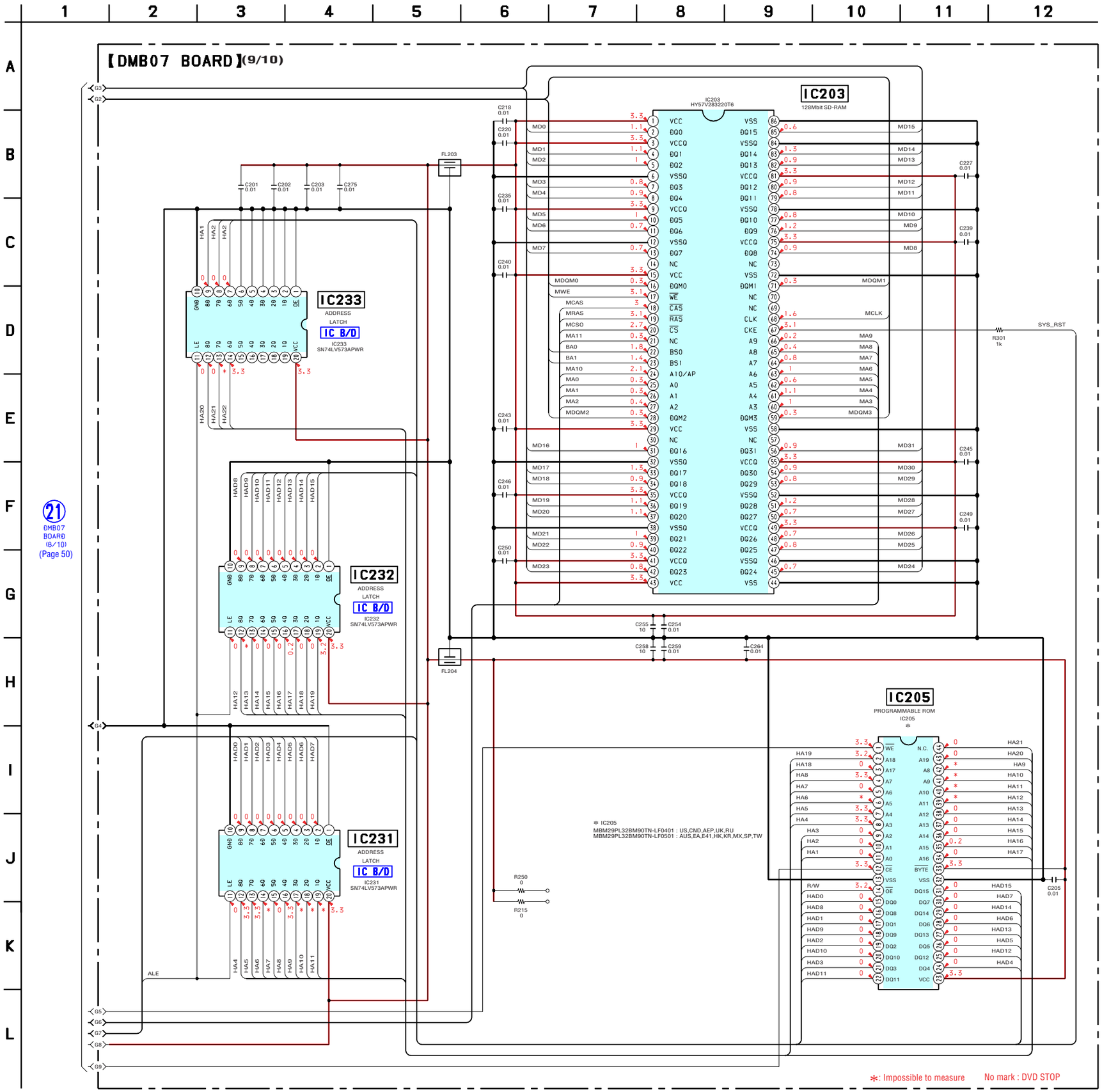
6-15. SCHEMATIC DIAGRAM — DMB07 SECTION (8/10) —

• See page 62 for Waveforms. • See page 68 for IC Pin Function Description.



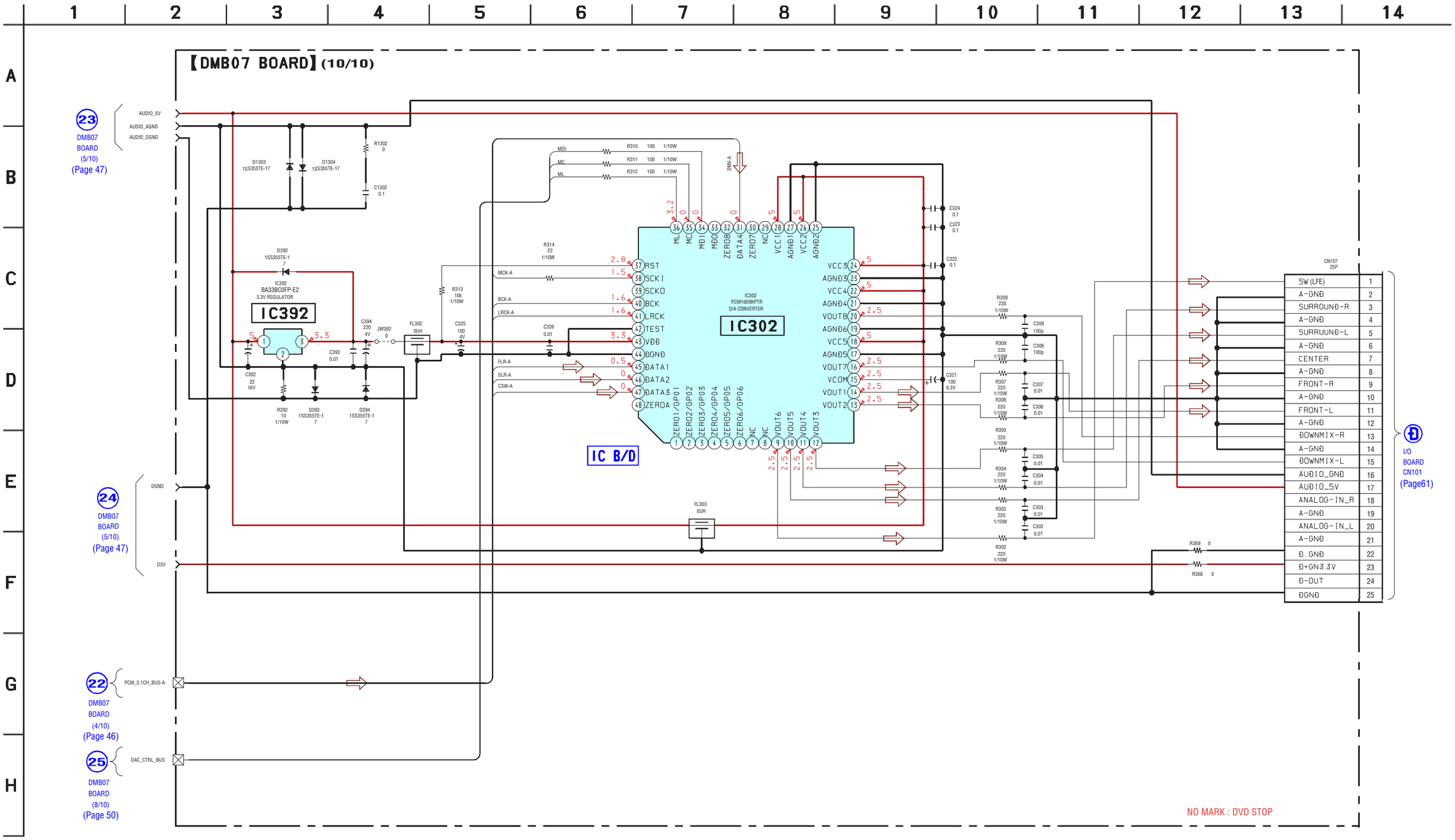
6-16. SCHEMATIC DIAGRAM — DMB07 SECTION (9/10) —

• See page 66 for IC Block Diagrams.



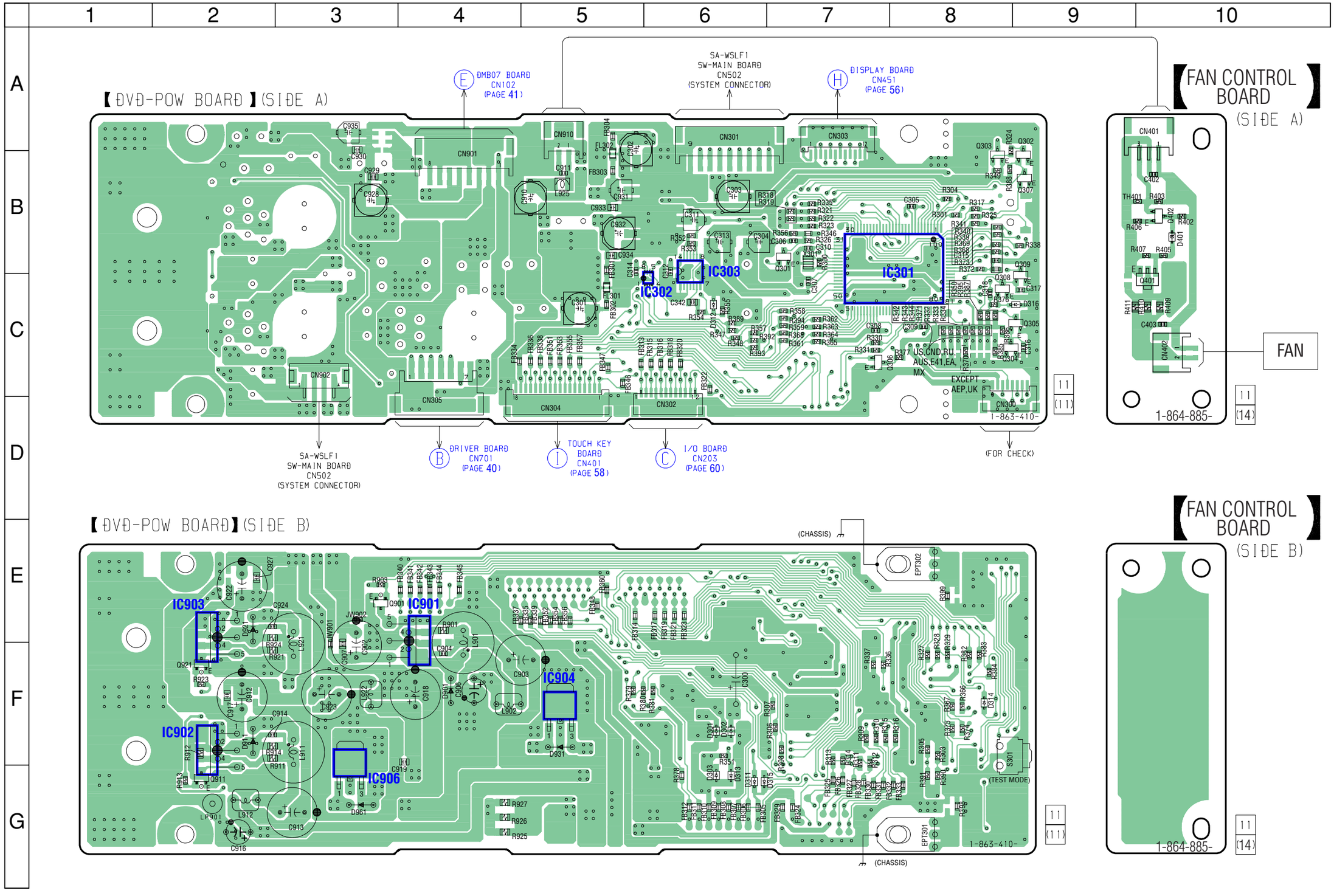
6-17. SCHEMATIC DIAGRAM — DMB07 SECTION (10/10) —

• See page 67 for IC Block Diagrams.



6-18. PRINTED WIRING BOARD — DVD-POW SECTION —

:Uses unleaded solder. • See page 33 for Circuit Boards Location.

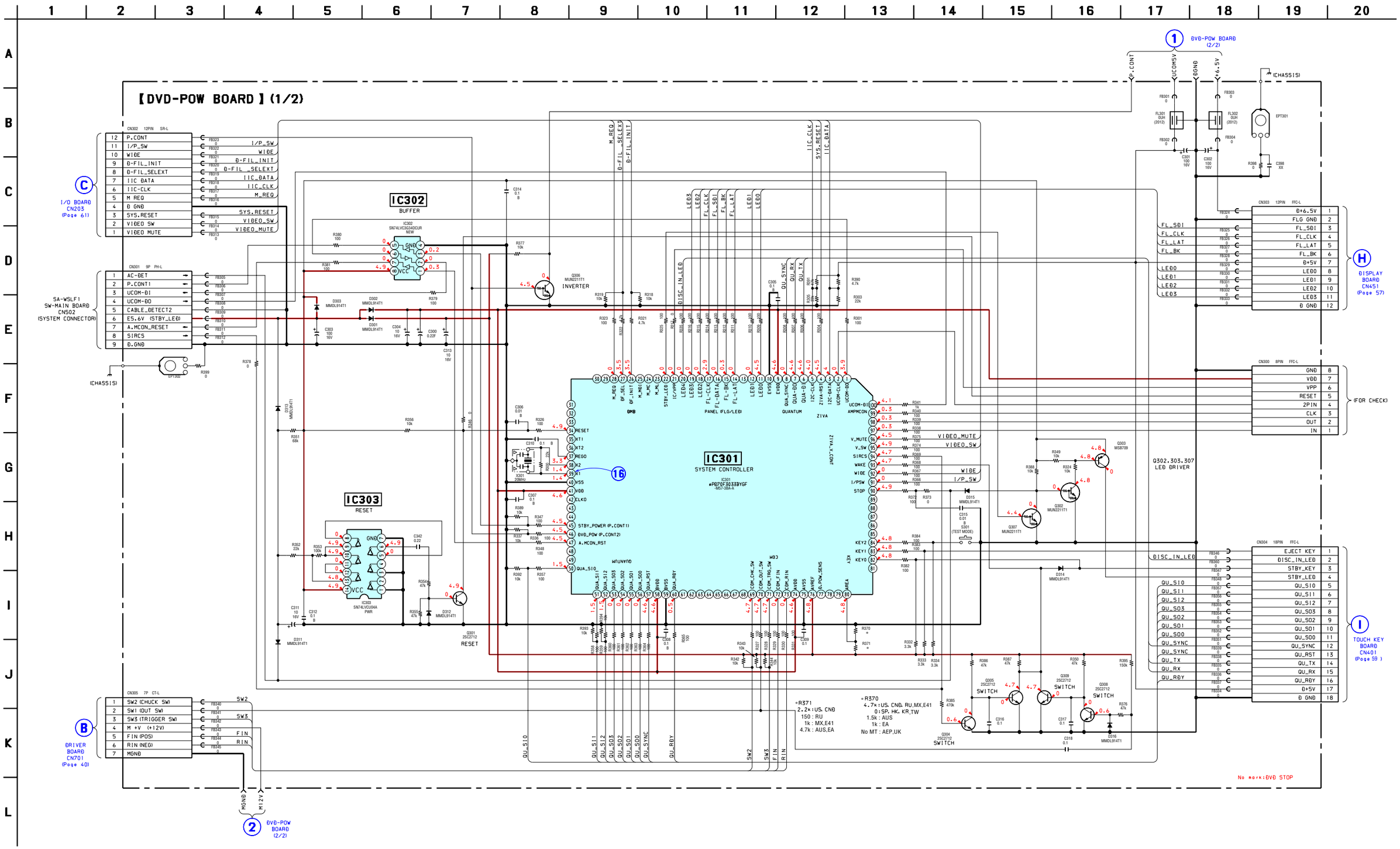


- **Semiconductor Location**

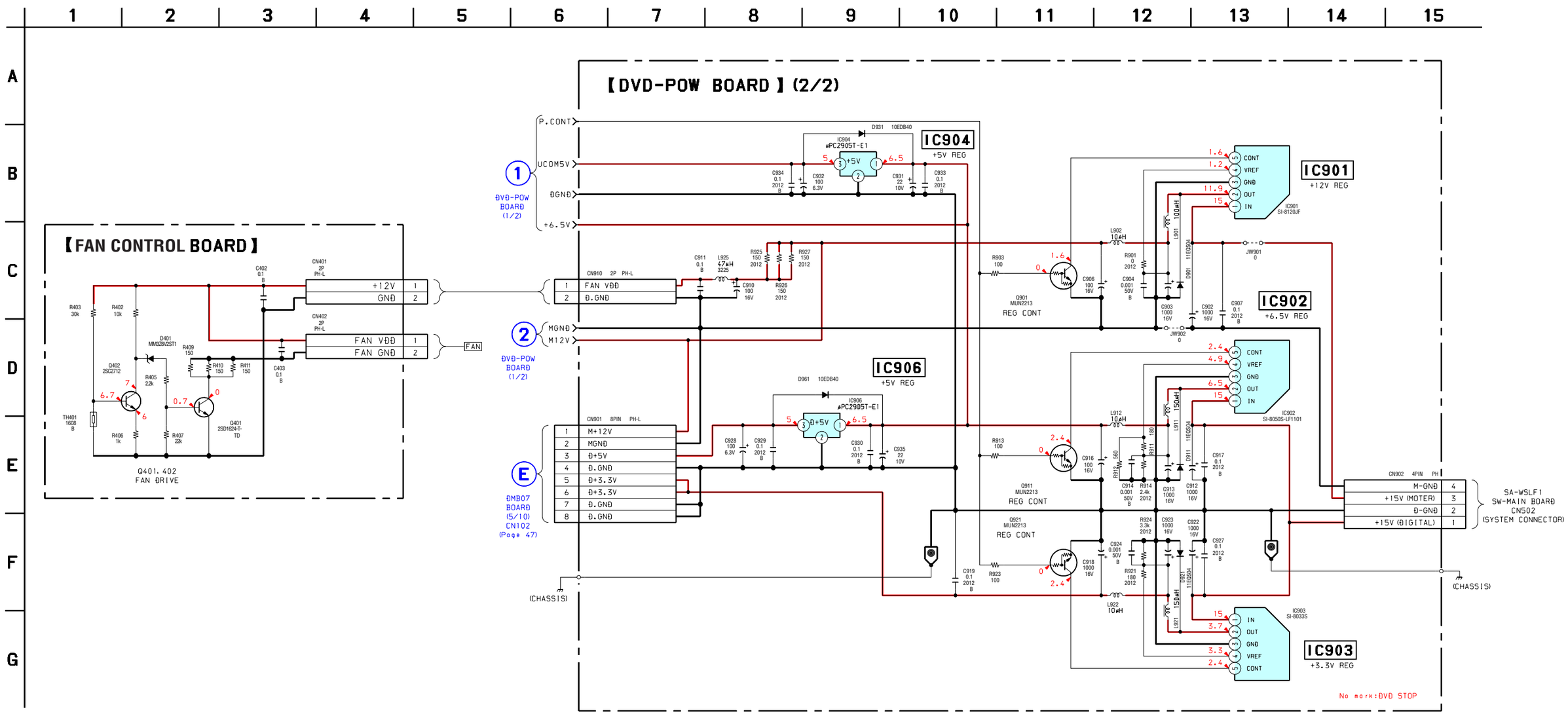
Ref. No.	Location
D301	F-6
D302	F-6
D303	G-6
D311	G-6
D312	C-6
D313	G-6
D314	F-8
D315	G-7
D316	C-9
D901	F-4
D911	F-2
D921	E-2
D931	F-5
D961	G-3
IC301	B-8
IC302	C-6
IC303	B-6
IC901	E-4
IC902	F-2
IC903	E-2
IC904	F-5
IC906	G-3
Q301	B-7
Q302	A-9
Q303	A-8
Q304	C-9
Q305	C-9
Q306	C-8
Q307	B-9
Q308	C-8
Q309	C-9
Q401	C-10
Q402	B-10
Q901	E-4
Q911	G-2
Q921	F-2

6-19. SCHEMATIC DIAGRAM — DVD-POW SECTION (1/2) —

• See page 62 for Waveform. • See page 81 for IC Pin Function Description.



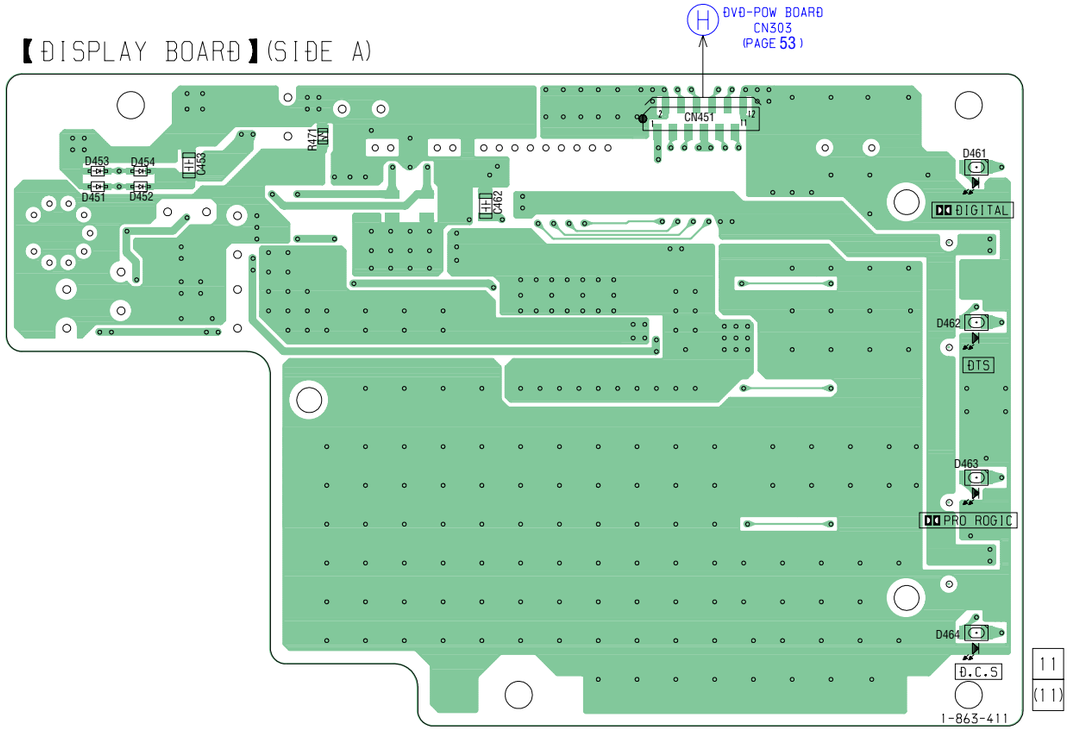
6-20. SCHEMATIC DIAGRAM — DVD-POW SECTION (2/2) —



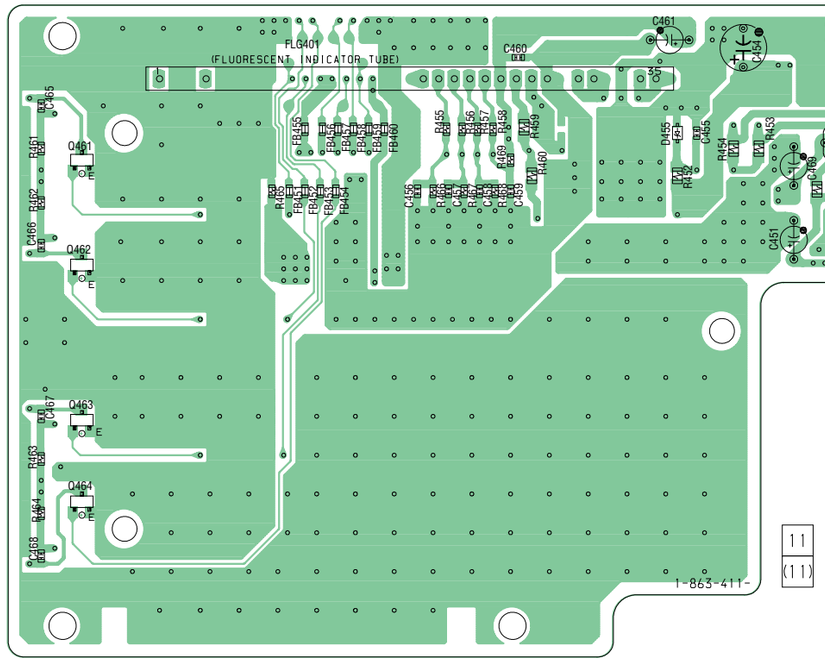
6-21. PRINTED WIRING BOARD — DISPLAY SECTION —

:Uses unleaded solder. • See page 33 for Circuit Boards Location.

【DISPLAY BOARD】(SIDE A)



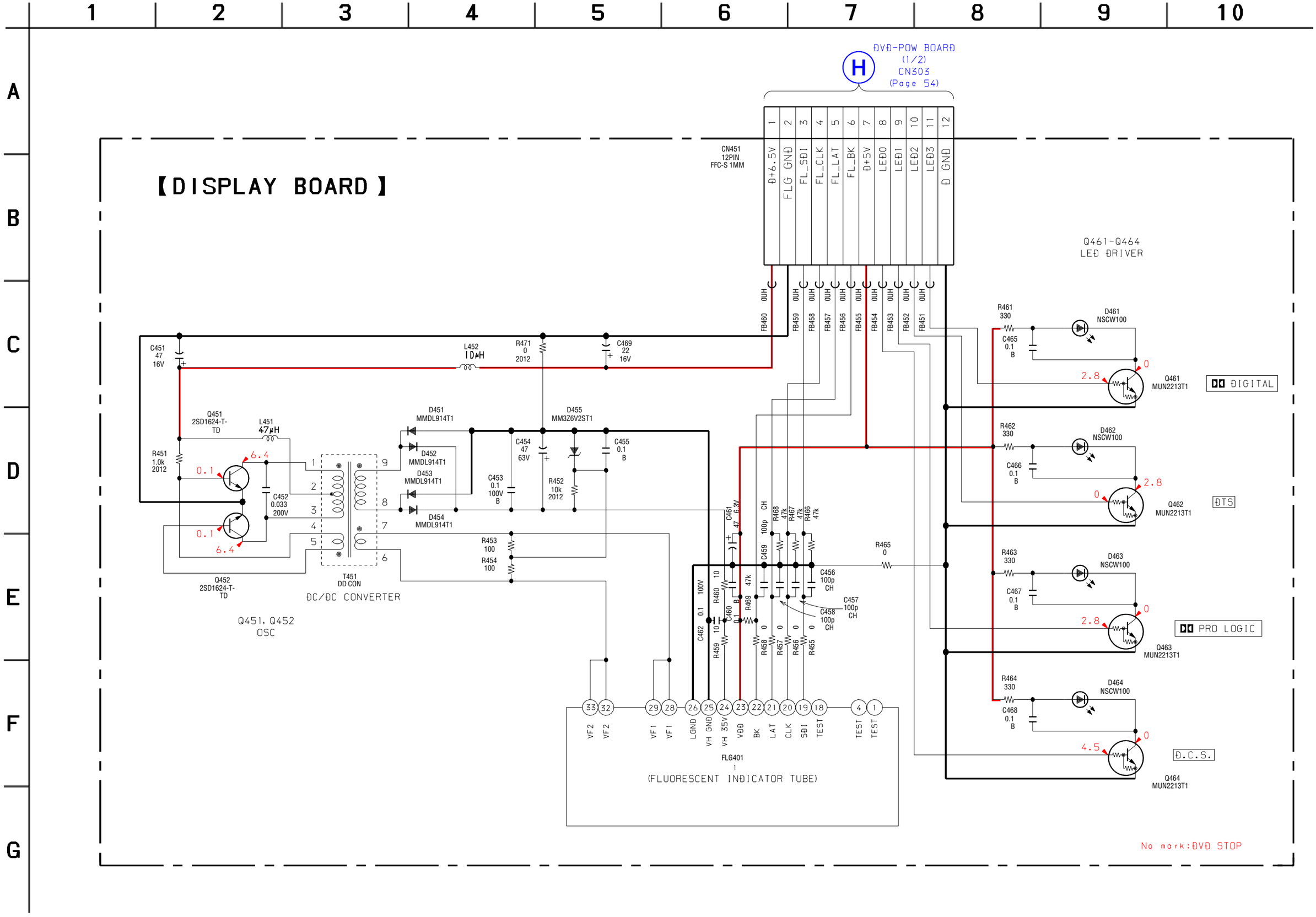
【DISPLAY BOARD】(SIDE B)



- **Semiconductor Location**

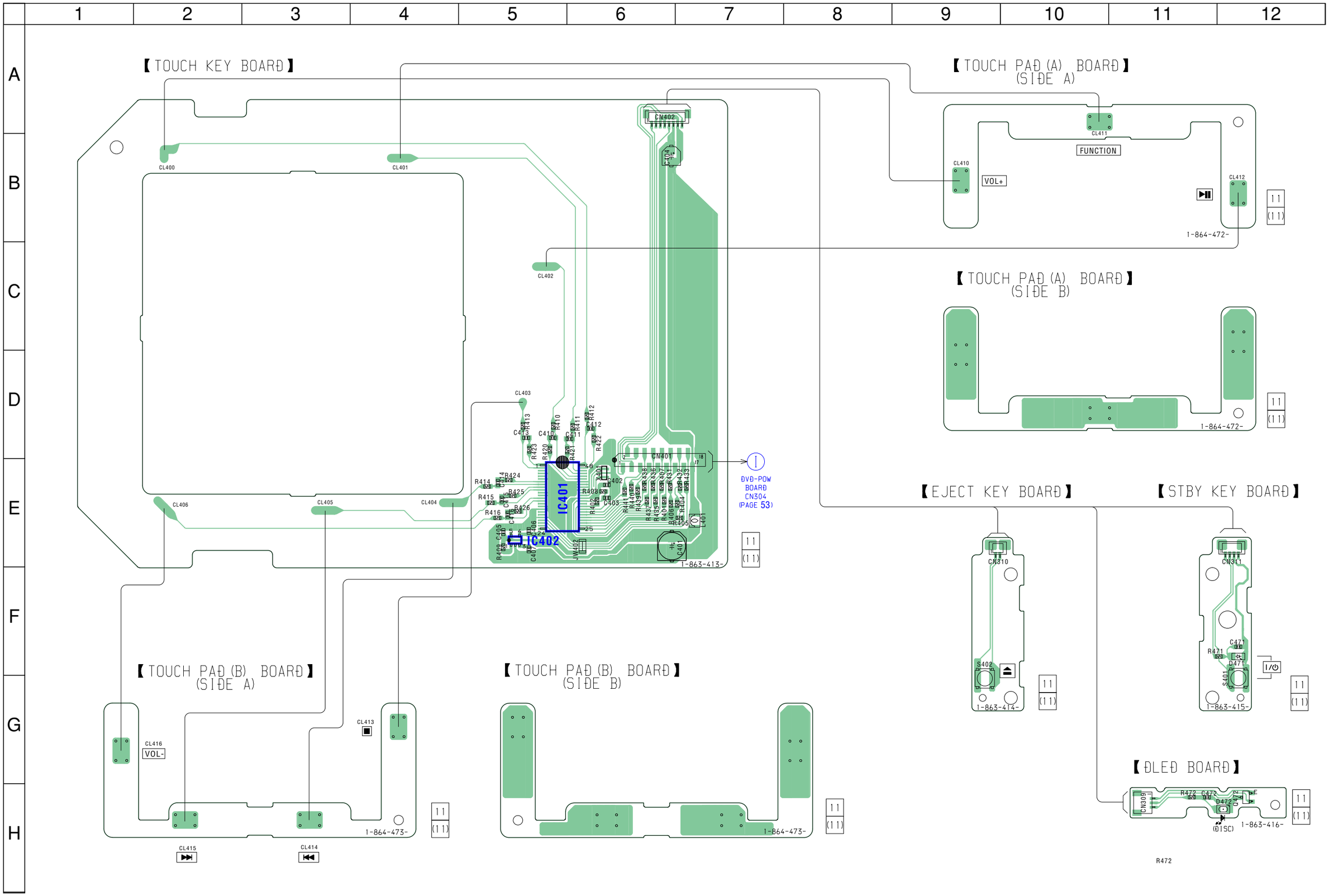
Ref. No.	Location
D451	B-2
D452	B-2
D453	B-2
D454	B-2
D455	B-10
D461	B-6
D462	B-6
D463	C-6
D464	D-6
Q451	B-11
Q452	B-11
Q461	B-7
Q462	B-7
Q463	C-7
Q464	D-7

6-22. SCHEMATIC DIAGRAM — DISPLAY SECTION —



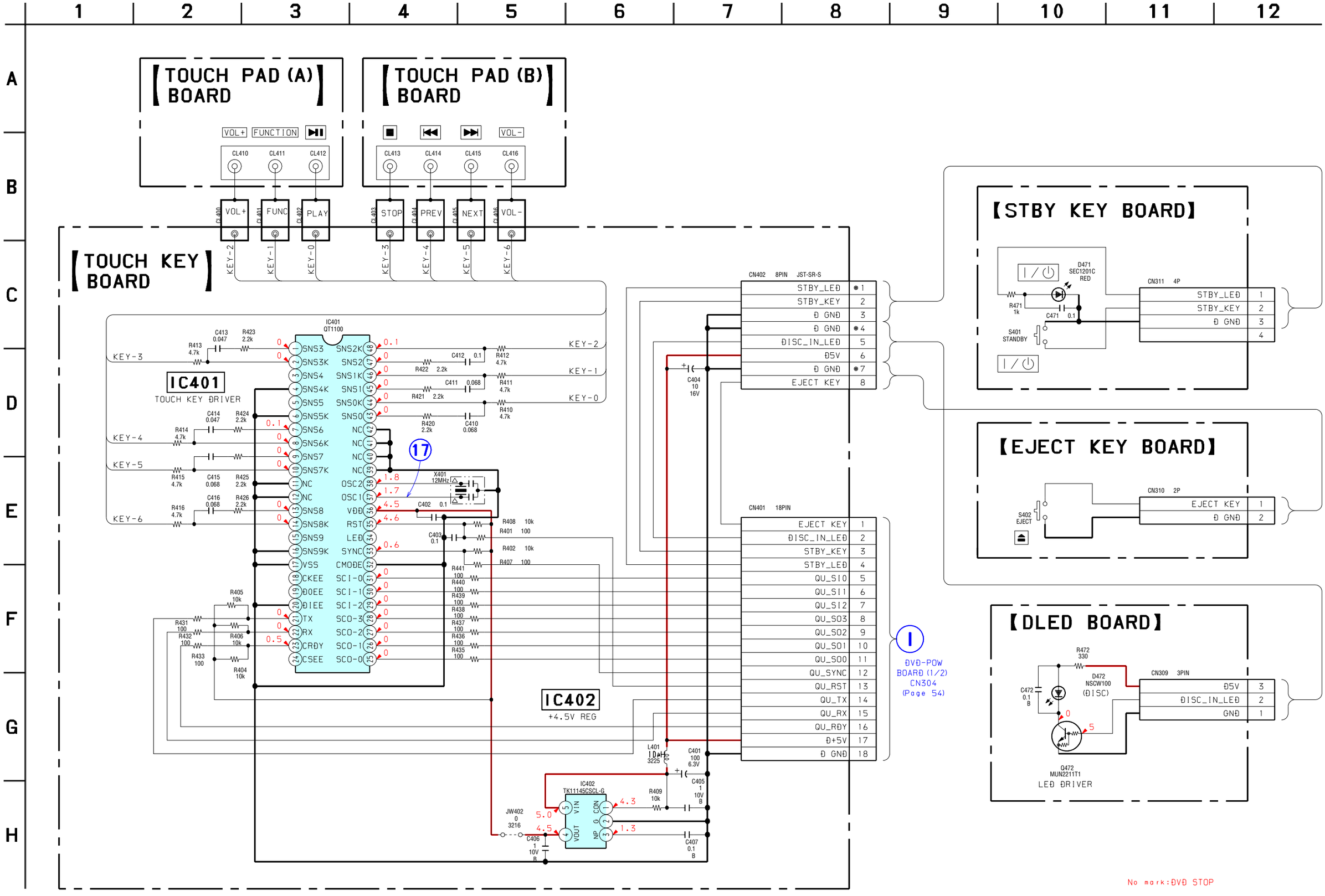
6-23. PRINTED WIRING BOARD — TOUCH KEY SECTION —

:Uses unleaded solder. • See page 33 for Circuit Boards Location.



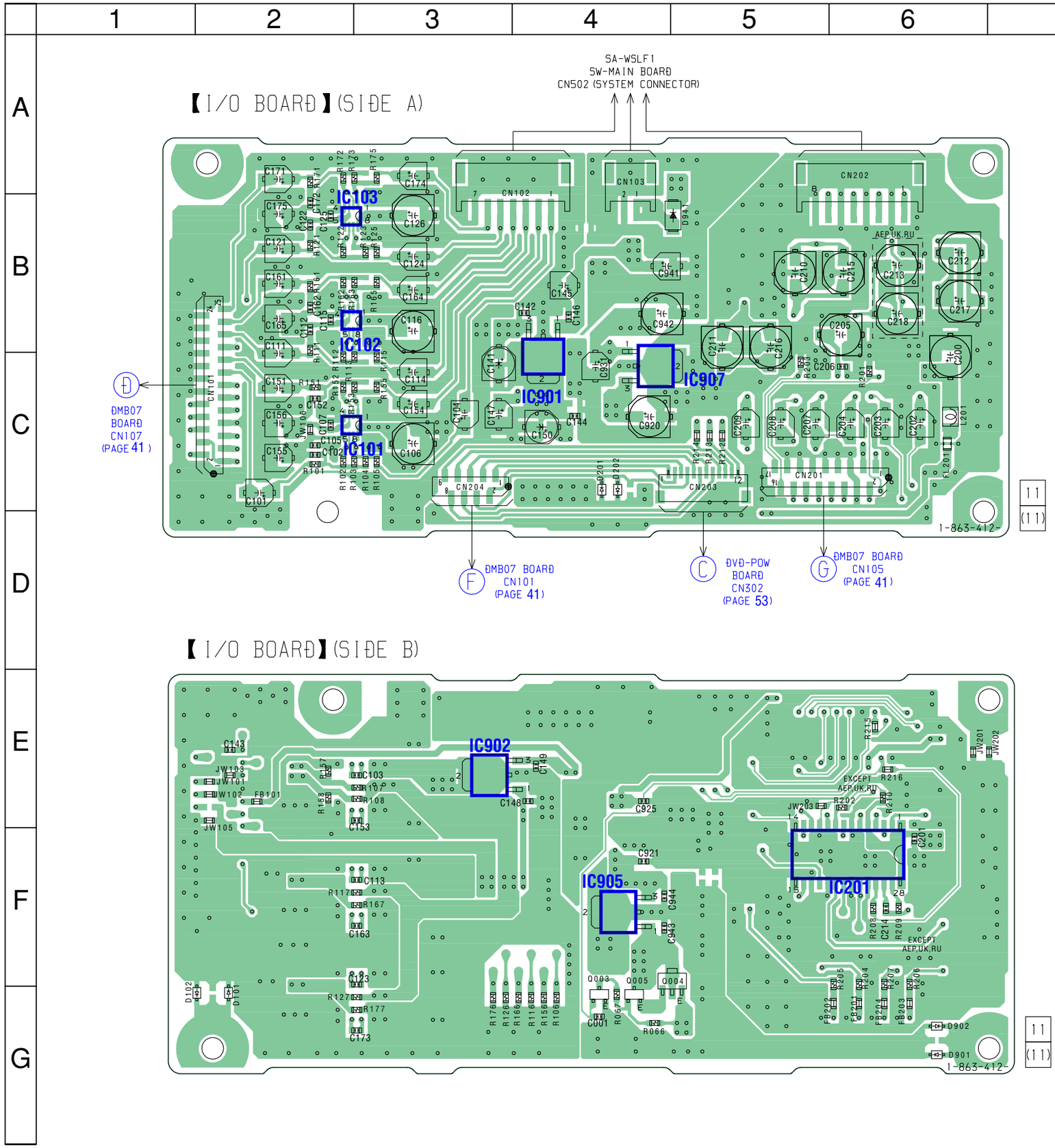
6-24. SCHEMATIC DIAGRAM — TOUCH KEY SECTION —

• See page 62 for Waveform.



6-25. PRINTED WIRING BOARD — I/O SECTION —

:Uses unleaded solder. • See page 33 for Circuit Boards Location.

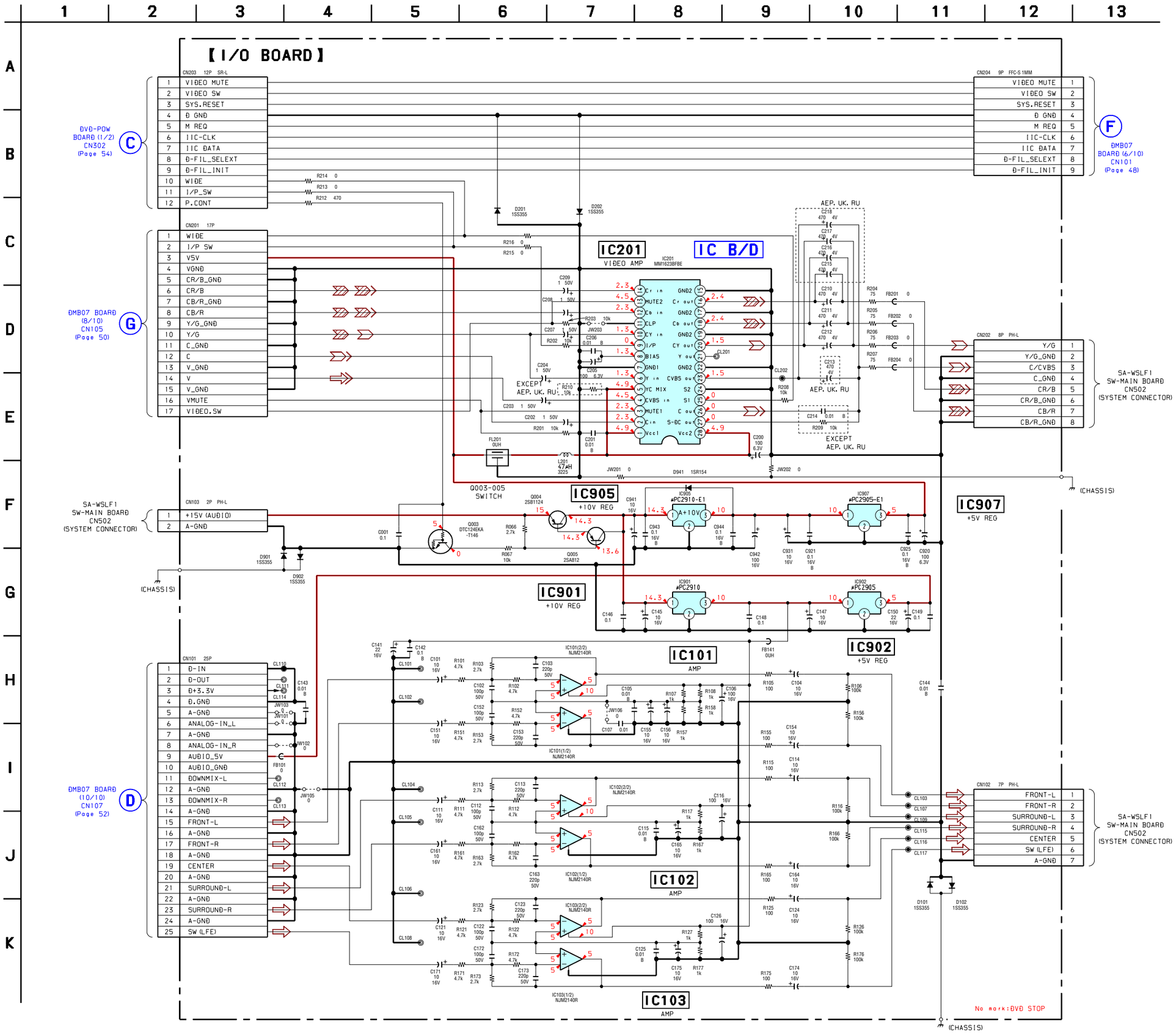


- **Semiconductor Location**

Ref. No.	Location
D101	G-2
D102	G-2
D201	C-4
D202	C-4
D901	G-6
D902	G-6
D941	B-5
IC101	C-2
IC102	B-2
IC103	B-2
IC201	F-6
IC901	C-4
IC902	E-3
IC905	F-4
IC907	C-5
Q003	F-4
Q004	F-5
Q005	F-4

6-26. SCHEMATIC DIAGRAM — I/O SECTION —

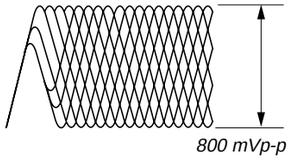
• See page 67 for IC Block Diagram.



• **Waveforms**

– RF Board –

① IC001 ① (DVDRFP)



200 mV/DIV, 100 ns/DIV

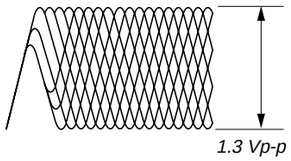
② IC001 ㊴ (TE)

500 mV/DIV, 1 ms/DIV

③ IC001 ㊵ (FE)

100 mV/DIV, 1 ms/DIV

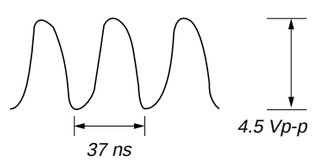
④ IC001 ㊼ (RFAC)



500 mV/DIV, 100 ns/DIV

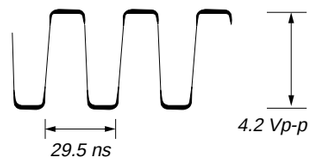
– DMB07 Board –

⑤ IC906 ⑧ (XTO)



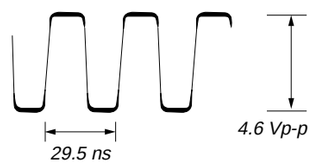
1 V/DIV, 10 ns/DIV

⑥ IC906 ⑨ (SO1)



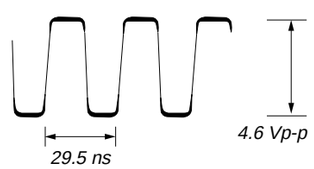
1 V/DIV, 10 ns/DIV

⑦ IC906 ⑩ (SO2)



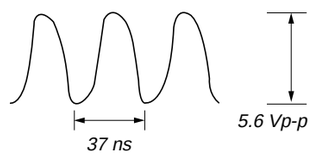
1 V/DIV, 10 ns/DIV

⑧ IC906 ⑬ (SO3)



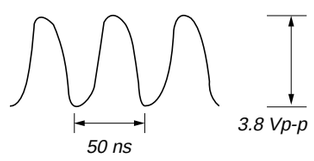
1 V/DIV, 10 ns/DIV

⑨ IC906 ③ (MO1)



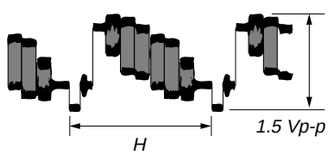
1 V/DIV, 10 ns/DIV

⑩ IC901 ㊵ (XTAL)



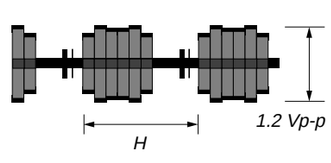
1 V/DIV, 20 ns/DIV

⑪ IC207 ⑬① (VDAC_0)



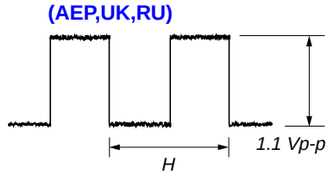
500 mV/DIV, 20 µs/DIV

⑫ IC207 ⑫⑧ (VDAC_1)



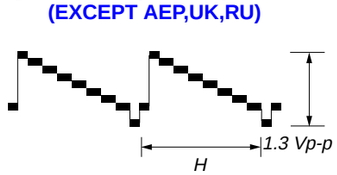
500 mV/DIV, 20 µs/DIV

⑬ IC207 ⑫⑤ (VDAC_2) (AEP,UK,RU)



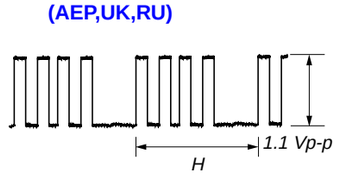
500 mV/DIV, 20 µs/DIV

⑬ IC207 ⑫⑤ (VDAC_2) (EXCEPT AEP,UK,RU)



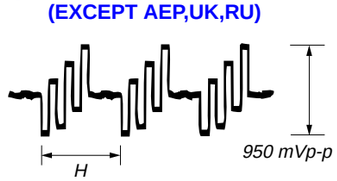
500 mV/DIV, 20 µs/DIV

⑭ IC207 ⑫② (VDAC_3) (AEP,UK,RU)



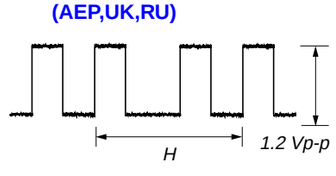
500 mV/DIV, 20 µs/DIV

⑭ IC207 ⑫② (VDAC_3) (EXCEPT AEP,UK,RU)



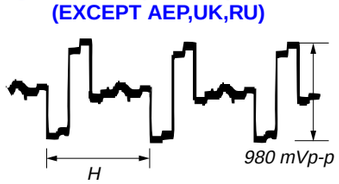
200 mV/DIV, 20 µs/DIV

⑮ IC207 ⑪⑨ (VDAC_4) (AEP,UK,RU)



500 mV/DIV, 20 µs/DIV

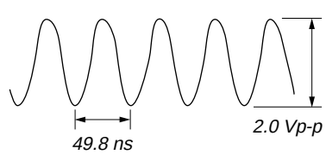
⑮ IC207 ⑪⑨ (VDAC_4) (EXCEPT AEP,UK,RU)



200 mV/DIV, 20 µs/DIV

– DVD-POW Board –

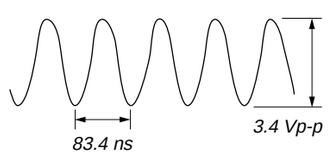
⑯ IC301 ㊴ (X1)



1 V/DIV, 20 ns/DIV

– TOUCH KEY Board –

⑰ IC401 ㊲ (OSC1)

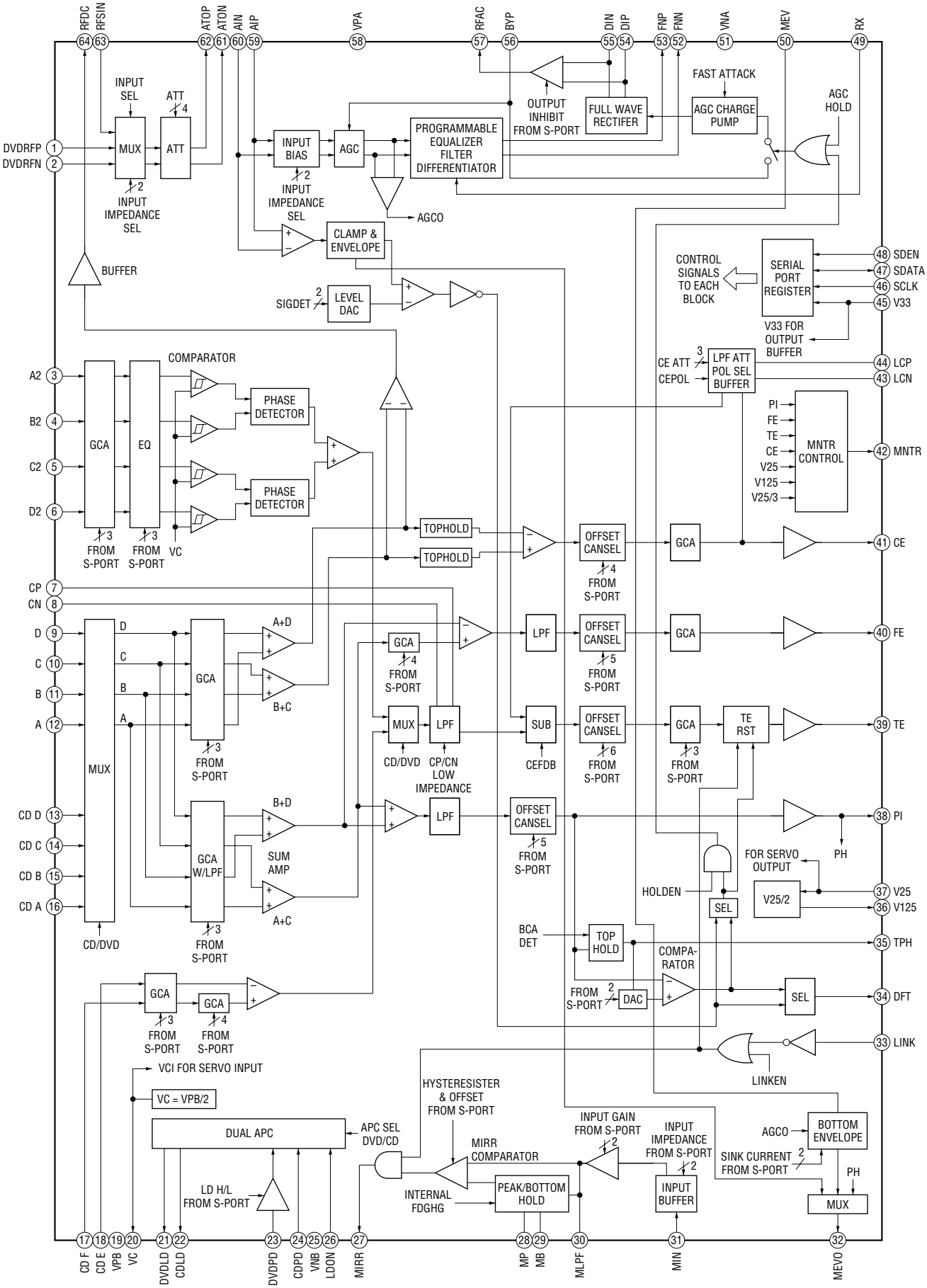


1 V/DIV, 40 ns/DIV

• **IC Block Diagrams**

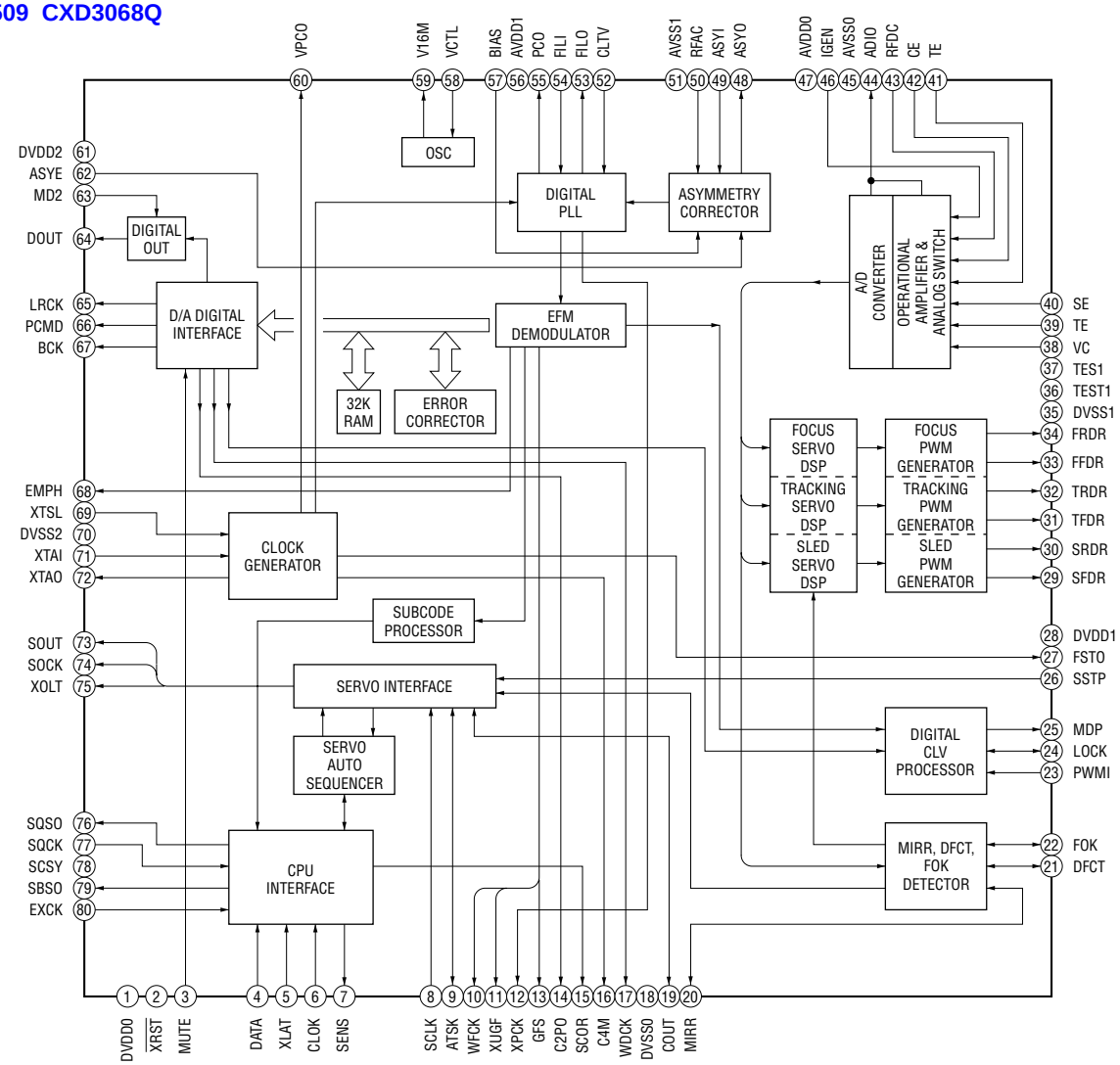
– RF Board –

IC001 SP3723CAF0PM

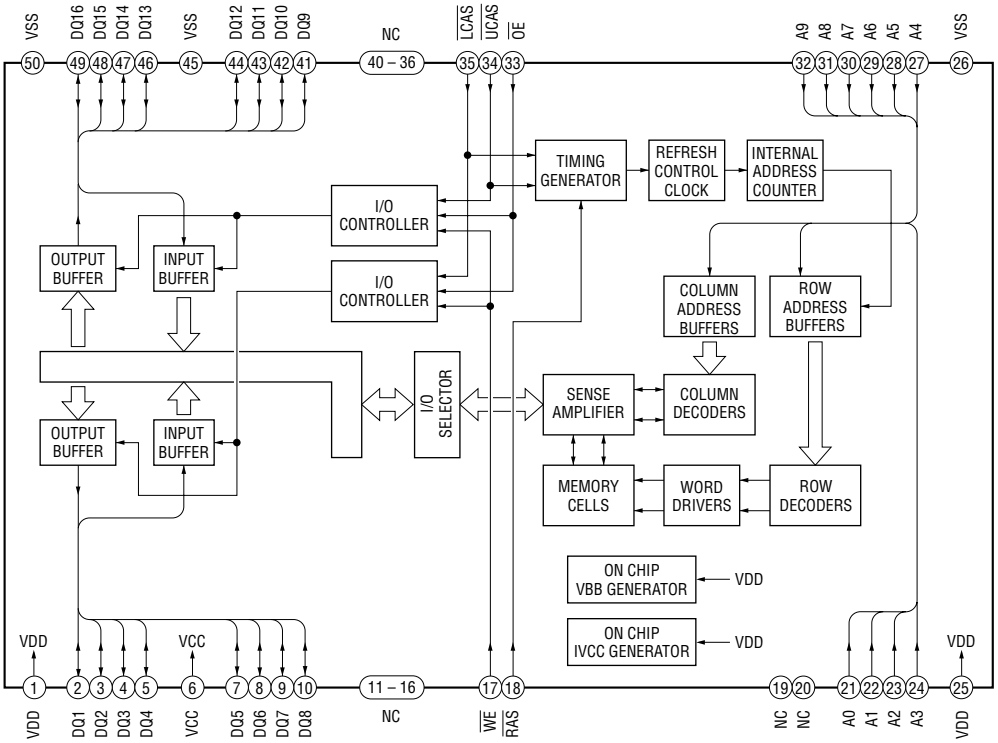


– DMB07 Board –

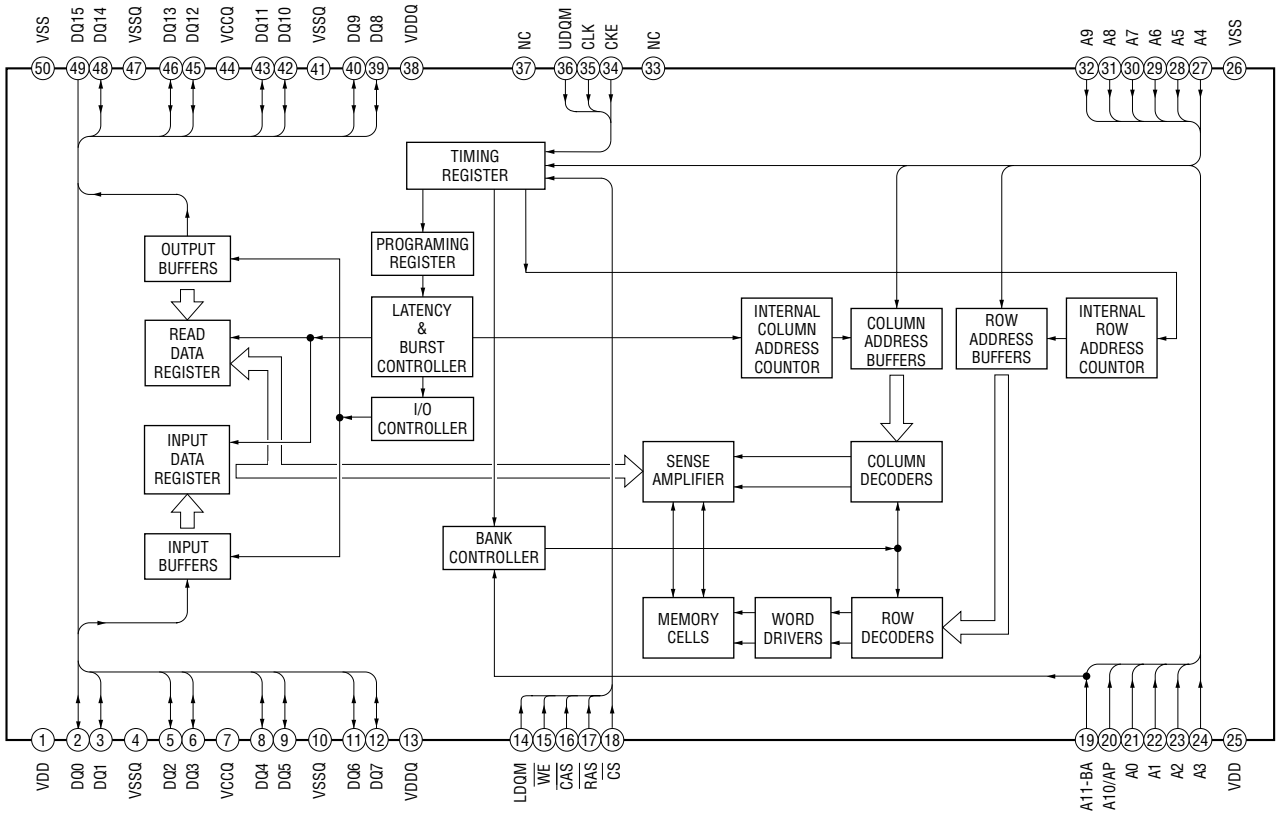
IC509 CXD3068Q



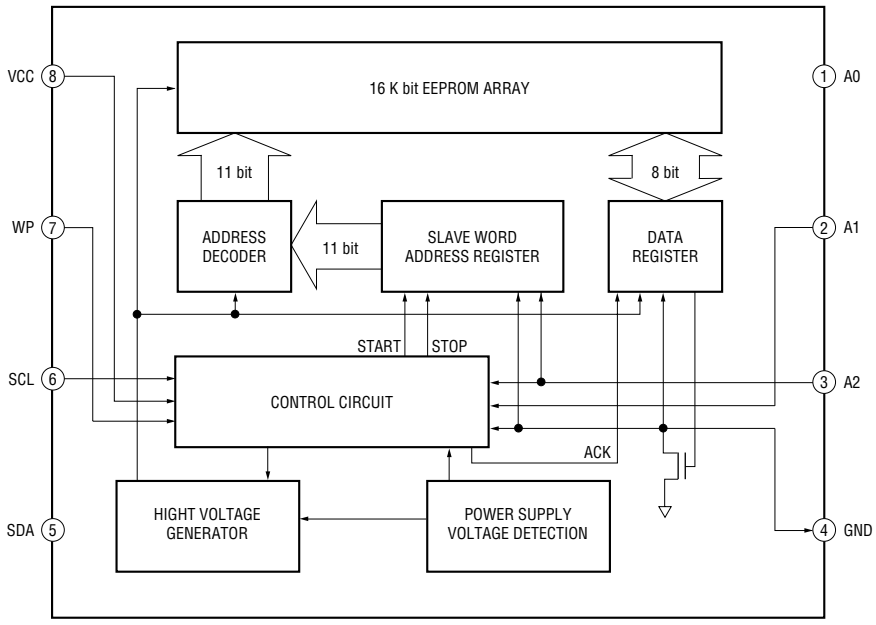
IC706 MSM51V18165B-60TSKR1



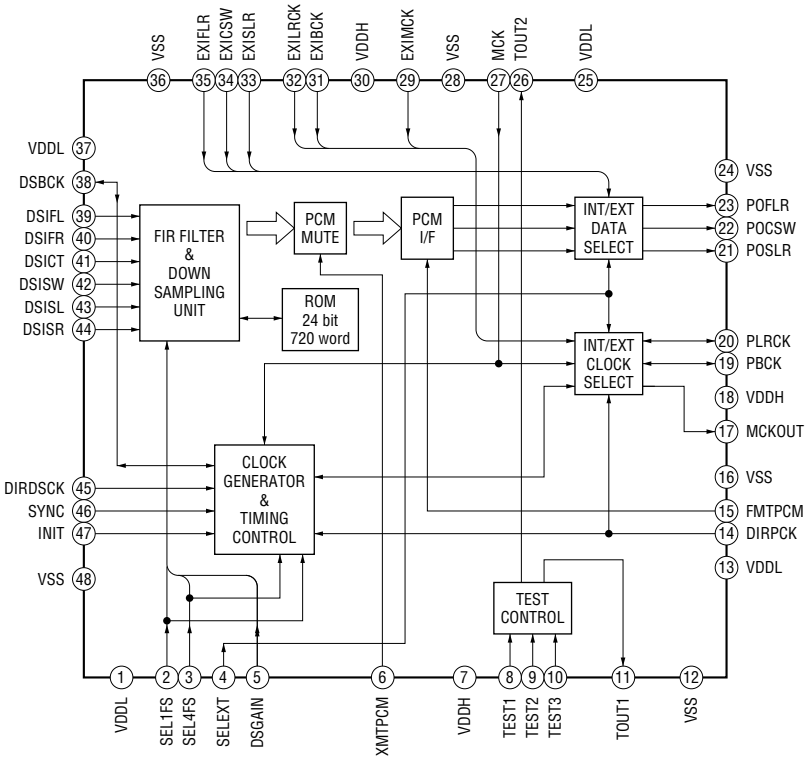
IC808 MSM56V16160F-8T3FM1



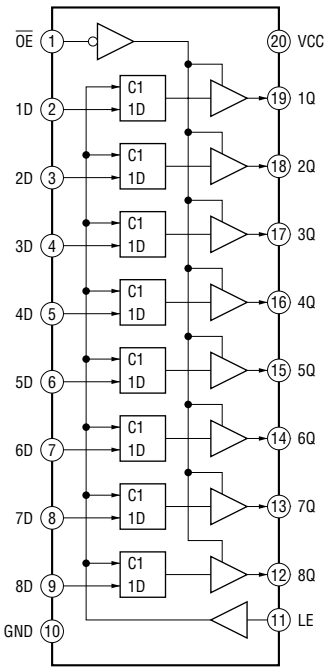
IC903 BR24L16F-WE2



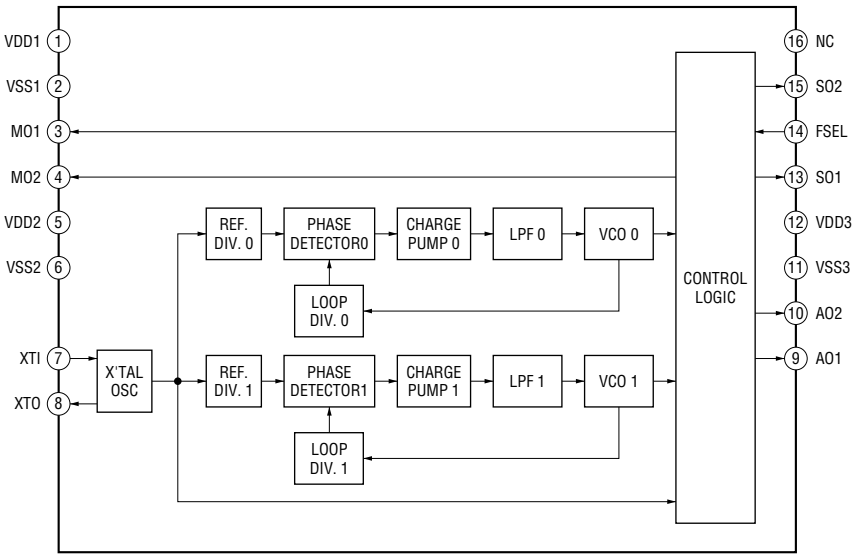
IC802 CXD9742Q



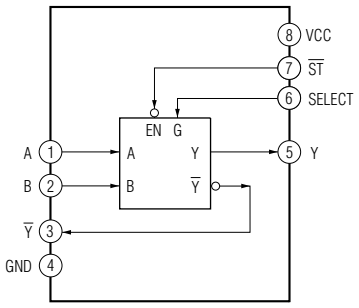
IC231-233, 256, 258, 259 SN74LV573APWR



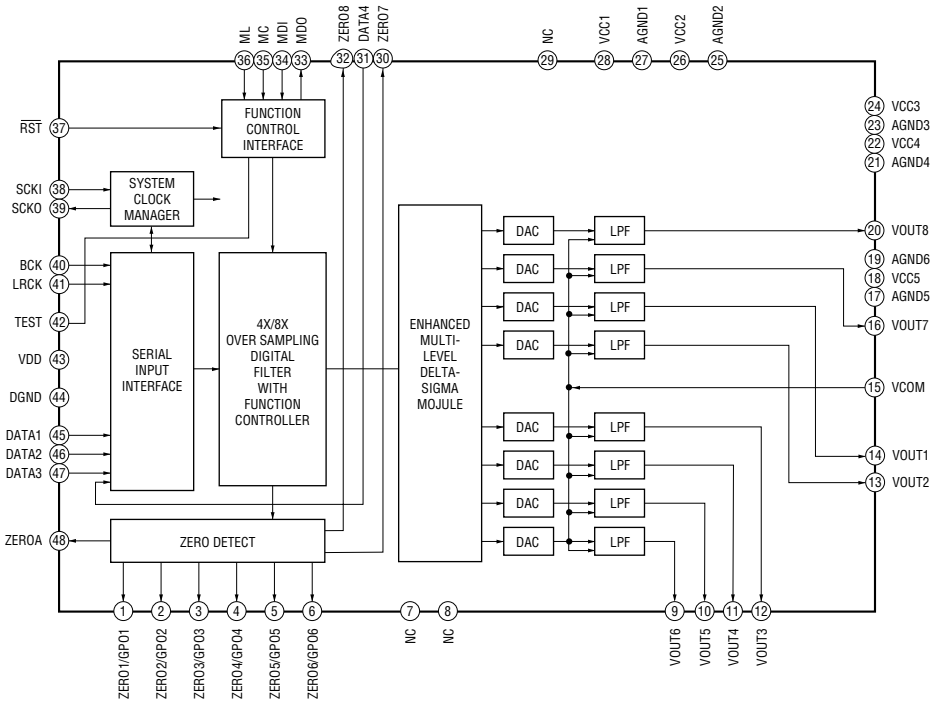
IC906 SM8707GV-G-E2



IC257 TC7WH157FK (TE85R)

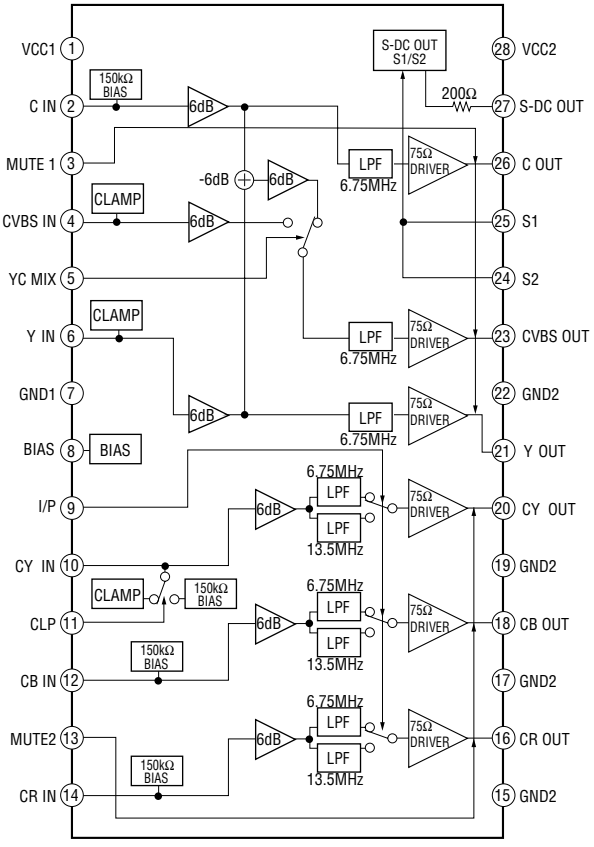


IC302 PCM1609KPTR



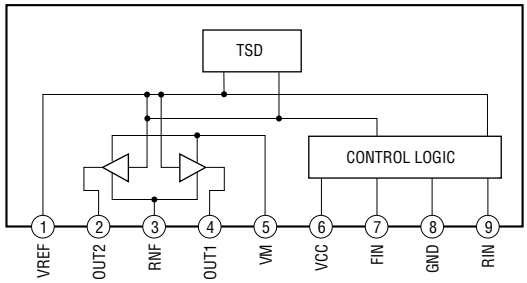
– I/O Board –

IC201 MM1623BFBE



– DRIVER Board –

IC701 BA6956AN



• IC Pin Function Description

• DMB07 BOARD IC207 ZIVA5X-C1F (DVD SYSTEM PROCESSOR)

Pin No.	Pin Name	I/O	Description
1	VDDP	—	Power supply terminal (+3.3V)
2	HA1	O	Address signal output to the programmable ROM and address latch
3 to 11	HD15 to HD7	I/O	Two-way data bus (address signal multiplexed) with the programmable ROM and address latch
12	VDDP	—	Power supply terminal (+3.3V)
13	GNDP	—	Ground terminal
14 to 19	HD6 to HD1	I/O	Two-way data bus (address signal multiplexed) with the programmable ROM and address latch
20	VDDP	—	Power supply terminal (+3.3V)
21	GNDP	—	Ground terminal
22	HD0	I/O	Two-way data bus (address signal multiplexed) with the programmable ROM and address latch
23	HDTACK	I	Acknowledge signal input terminal for host data transfer Not used
24	HIRQ0	I	Interrupt signal input terminal Not used
25	WEH.UDS	O	Write enable host upper data strobe signal output to the programmable ROM
26	WEL.LDS	O	Write enable host lower data strobe signal output terminal Not used
27	HREAD	O	Output enable signal output to the programmable ROM
28	GPIO0	I	Check jig detection signal input terminal
29	GND	—	Ground terminal
30	VDD	—	Power supply terminal (+1.8V)
31	GND25	—	Ground terminal
32	VDD25	—	Power supply terminal (+3.3V)
33 to 42	MA9 to MA0	O	Address signal output to the SD-RAM
43	GND25	—	Ground terminal
44	VDD25	—	Power supply terminal (+3.3V)
45, 46	MA10, MA11	O	Address signal output to the SD-RAM
47, 48	BA1, BA0	O	Bank select signal output to the SD-RAM
49	MCS0	O	Chip select signal output to the SD-RAM
50	MCS1	O	Chip select signal output terminal Not used
51	MRAS	O	Row address strobe signal output to the SD-RAM
52	MCAS	O	Column address strobe signal output to the SD-RAM
53	MWE	O	Write enable signal output to the SD-RAM
54	GND25	—	Ground terminal
55	VDD25	—	Power supply terminal (+3.3V)
56	MCLK	O	Master clock signal output to the SD-RAM
57 to 60	MD0 to MD3	I/O	Two-way data bus with the SD-RAM
61	GND25	—	Ground terminal
62	MDQM0	O	Write mask signal output to the SD-RAM
63	VDD25	—	Power supply terminal (+3.3V)
64 to 71	MD4 to MD11	I/O	Two-way data bus with the SD-RAM
72	GND25	—	Ground terminal
73	MDQM1	O	Write mask signal output to the SD-RAM
74	VDD25	—	Power supply terminal (+3.3V)
75 to 78	MD12 to MD15	I/O	Two-way data bus with the SD-RAM
79	GND	—	Ground terminal
80	VDD	—	Power supply terminal (+1.8V)
81 to 84	MD16 to MD19	I/O	Two-way data bus with the SD-RAM

Pin No.	Pin Name	I/O	Description
85	GND25	—	Ground terminal
86	MDQM2	O	Write mask signal output to the SD-RAM
87	VDD25	—	Power supply terminal (+3.3V)
88 to 95	MD20 to MD27	I/O	Two-way data bus with the SD-RAM
96	GND25	—	Ground terminal
97	MDQM3	O	Write mask signal output to the SD-RAM
98	VDD25	—	Power supply terminal (+3.3V)
99 to 102	MD28 to MD31	I/O	Two-way data bus with the SD-RAM
103	GND25	—	Ground terminal
104	VDD25	—	Power supply terminal (+3.3V)
105	VCLK	O	Not used
106	XCK_I/O_SEL	O	Not used
107	VS	O	Wide control signal output terminal
108	I/P SW	O	Interlace/progressive selection signal output terminal Not used
109	CDSEL	O	Digital out signal selection signal output terminal Not used
110	MREQ	O	Audio muting on/off request signal output to the system controller "H": muting on
111	VDDP	—	Power supply terminal (+3.3V)
112	GNDP	—	Ground terminal
113	MDI	O	Serial data output terminal
114	MC	O	Serial data transfer clock signal output terminal
115	ML	O	Serial data latch pulse signal output terminal
116	HIRQ2	I	Busy signal input from the EEPROM
117	VDAC_4B	—	Ground terminal
118	VDAC_VDD4	—	Power supply terminal (+3.3V)
119	VDAC_4	O	Component video signal output to the video amplifier
120	VDAC_3B	—	Ground terminal
121	VDAC_VDD3	—	Power supply terminal (+3.3V)
122	VDAC_3	O	Component video signal output to the video amplifier
123	VDAC_2B	—	Ground terminal
124	VDAC_VDD2	—	Power supply terminal (+3.3V)
125	VDAC_2	O	Component video signal output to the video amplifier
126	VDAC_1B	—	Ground terminal
127	VDAC_VDD1	—	Power supply terminal (+3.3V)
128	VDAC_1	O	Component video signal output to the video amplifier
129	VDAC_0B	—	Ground terminal
130	VDAC_VDD0	—	Power supply terminal (+3.3V)
131	VDAC_0	O	Component video signal output to the video amplifier
132	VDAC_DVSS	—	Ground terminal
133	VDAC_DVDD	—	Power supply terminal (+3.3V)
134	VDAC_REFVDD	—	Power supply terminal (+3.3V)
135	VDAC_REF	I	Reference voltage input terminal
136	VDAC_REFVSS	—	Ground terminal
137	XVSS	—	Ground terminal
138	XOUT	O	Clock signal output terminal Not used
139	XIN	I	System clock signal (27 MHz) input from the clock generator
140	XVDD	—	Power supply terminal (+3.3V)
141	AVSS2	—	Ground terminal

Pin No.	Pin Name	I/O	Description
142	AVDD2	—	Power supply terminal (+3.3V)
143	AVDD1	—	Power supply terminal (+3.3V)
144	AVSS1	—	Ground terminal
145	VDD	—	Power supply terminal (+1.8V)
146	GND	—	Ground terminal
147	XCK	O	Audio system clock output to the A/D converter and digital audio processor
148	LRCK	O	L/R sampling clock signal (44.1 kHz) output to the digital audio processor
149	BCK	O	Bit clock signal (2.8224 MHz) output to the digital audio processor
150	DATA0 (DM)	O	Audio data (for down mix) output terminal
151	DATA1 (FLR)	O	Audio data (for front) output to the digital audio processor
152	VDDP	—	Power supply terminal (+3.3V)
153	GNDP	—	Ground terminal
154	DATA2 (SLR)	O	Audio data (for surround (rear)) output to the digital audio processor
155	DATA3 (CSW)	O	Audio data (for center and sub woofer) output to the digital audio processor
156	IEC958	O	S/PDIF signal output terminal Not used
157	DAI_DATA	I	Data input terminal Not used
158	DAI_BCK	I	Bit clock signal (2.8224 MHz) input terminal Not used
159	DAI_LRCK	I	L/R sampling clock signal (44.1 kHz) input terminal Not used
160	I2C_CL	I/O	Two-way I2C clock bus with the system controller and mechanism controller
161	I2C_DA	I/O	Two-way I2C data bus with the system controller and mechanism controller
162	CS (ZIVA_E2P)	O	Chip select signal output to the EEPROM
163	RXD1	I	Serial data input terminal for check jig
164	TXD1	O	Serial data output terminal for check jig
165	WRITE_CTRL (ZIVA_E2P)	O	Write control signal output to the EEPROM
166	GNDP	—	Ground terminal
167	VDDP	—	Power supply terminal (+3.3V)
168 to 171	SDDATA7 to SDDATA4	I	Stream data signal input from the DVD decoder
172	GND	—	Ground terminal
173	VDD	—	Power supply terminal (+1.8V)
174 to 177	SDDATA3 to SDDATA0	I	Stream data signal input from the DVD decoder
178	SDREQ	O	Serial data request signal output to the DVD decoder
179	SDEN	I	Serial data enable signal input from the DVD decoder
180	GNDP	—	Ground terminal
181	VDDP	—	Power supply terminal
182	SDERROR	I	Serial data error signal input from the DVD decoder
183	SDCLK	I	Serial data transfer clock signal input from the DVD decoder
184	HIRQ1	I	Interrupt request signal input from the mechanism controller
185	DRVCLK	I	Serial data transfer clock signal input from the mechanism controller
186	DRVTX	I	Serial data input from the EEPROM and mechanism controller
187	DRVRX	O	Serial data output to the EEPROM and mechanism controller
188	DRVRDY	I	Ready signal input from the mechanism controller
189	VNW	—	Power supply terminal (+5V)
190	ALE	O	Latch enable signal output to the address latch
191	RST_SPC	O	Reset signal output to the mechanism controller “L”: reset
192	INT/EXT	O	Internal/external selection signal output terminal
193, 194	HCS2, HCS1	O	Chip select signal output terminal Not used

Pin No.	Pin Name	I/O	Description
195	HCS0	O	Chip select signal output to the programmable ROM
196	VDDP	—	Power supply terminal (+3.3V)
197	TRST	I	Reset signal input terminal (for JTAG)
198	TDO	O	Data output terminal (for JTAG)
199	TDI	I	Data input terminal (for JTAG) Not used
200	TMS	I	Mode selection signal input terminal (for JTAG)
201	TCK	I	Clock signal input terminal (for JTAG)
202	RESET	I	System reset signal input from the system controller “L”: reset
203	BUS CLK	O	Not used
204	GND	—	Ground terminal
205	VDD	—	Power supply terminal (+1.8V)
206	HA3	O	Address signal output to the programmable ROM
207	HA2	O	Address signal output to the programmable ROM and address latch
208	GNDP	—	Ground terminal

• DMB07 BOARD IC701 TMC57929PGF-RDP (DVD DECODER)

Pin No.	Pin Name	I/O	Description
1, 2	D5, D6	I/O	Two-way data bus with the mechanism controller
3	VSS	—	Ground terminal
4	D7	I/O	Two-way data bus with the mechanism controller
5	A0	I	Address signal input from the mechanism controller
6	VDD	—	Power supply terminal (+3.3V)
7	A1	I	Address signal input from the mechanism controller
8	VDD5V	—	Power supply terminal (+5V)
9 to 14	A2 to A7	I	Address signal input from the mechanism controller
15	VSS	—	Ground terminal
16	XWAIT	O	Wait signal output terminal Not used
17	XRD	I	Read strobe signal input from the mechanism controller
18	XWR	I	Write strobe signal input from the mechanism controller
19	XCS	I	Chip select signal input from the mechanism controller
20, 21	XINT0, XINT1	O	Interrupt signal output to the mechanism controller
22	VDD	—	Power supply terminal (+3.3V)
23	XHRS	I	Not used
24	HDB7	O	Stream data signal output to the DVD system processor and DSD decoder
25	VSS	—	Ground terminal
26	SDEF	O	Error flag signal output to the DVD system processor and DSD decoder
27	HDB6	O	Stream data signal output to the DVD system processor and DSD decoder
28	VDDS	—	Power supply terminal (+5V)
29	HDB9	O	Not used
30	HDB5	O	Stream data signal output to the DVD system processor and DSD decoder
31	HDBA	O	Not used
32	HDB4	O	Stream data signal output to the DVD system processor and DSD decoder
33	VSS	—	Ground terminal
34	HDBB	O	Not used
35	HDB3	O	Stream data signal output to the DVD system processor and DSD decoder
36	VDD	—	Power supply terminal (+3.3V)
37	HDBC	O	Not used
38	VDDS	—	Power supply terminal (+5V)
39	HDB2	O	Stream data signal output to the DVD system processor and DSD decoder
40	HDBD	O	Not used
41	HDB1	O	Stream data signal output to the DVD system processor and DSD decoder
42	VSS	—	Ground terminal
43	HDBE	O	Not used
44	HDB0	O	Stream data signal output to the DVD system processor and DSD decoder
45	HDBF	O	Not used
46	HDRQ	O	Serial data effect flag signal output to the DVD system processor and DSD decoder
47	VDDS	—	Power supply terminal (+5V)
48	XDCK	O	Serial data transfer clock signal output to the DVD system processor and DSD decoder
49	XSHD	O	Header flag signal output to the DSD decoder
50	VDD	—	Power supply terminal (+3.3V)
51	REDY	O	Not used
52	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
53	XHAC	I	Serial data request signal input from the DVD system processor and DSD decoder
54	HINT	O	Not used
55	XS16	O	Not used
56	HA1	I	Not used
57	XPDI	I/O	Not used
58	VDDS	—	Power supply terminal (+5V)
59, 60	HA0, HA2	I	Not used
61	VSS	—	Ground terminal
62, 63	HCS0, HCS1	I	Not used
64	VDD	—	Power supply terminal (+3.3V)
65	DASP	I/O	Not used
66 to 69	MDB0 to MDB3	I/O	Two-way data bus with the D-RAM
70	VSS	—	Ground terminal
71	MDB4	I/O	Two-way data bus with the D-RAM
72	VDD5V	—	Power supply terminal (+5V)
73 to 75	MDB5 to MDB7	I/O	Two-way data bus with the D-RAM
76	XMWR	O	Write enable signal output to the D-RAM
77	VDD	—	Power supply terminal (+3.3V)
78	XRAS	O	Row address strobe signal output to the D-RAM
79, 80	MA0, MA1	O	Address signal output to the D-RAM
81	VSS	—	Ground terminal
82 to 87	MA2 to MA7	O	Address signal output to the D-RAM
88	VDD	—	Power supply terminal (+3.3V)
89	MA8	O	Address signal output to the D-RAM
90	VSS	—	Ground terminal
91	MA9	O	Address signal output to the D-RAM
92	MNT1	O	EEPROM ready signal output to the mechanism controller
93	MNT2	O	Not used
94	XOE	O	Output enable signal output to the D-RAM
95	XCAS	O	Column address strobe signal output to the D-RAM
96, 97	MDB8, MDB9	I/O	Two-way data bus with the D-RAM
98	VSS	—	Ground terminal
99	MDBA	I/O	Two-way data bus with the D-RAM
100	VDD	—	Power supply terminal (+3.3V)
101, 102	MDBB, MDBC	I/O	Two-way data bus with the D-RAM
103	VDD5V	—	Power supply terminal (+5V)
104 to 106	MDBD to MDBF	I/O	Two-way data bus with the D-RAM
107	GFS	O	Guard frame sync signal output to the mechanism controller
108	VSS	—	Ground terminal
109	APEO	O	Absolute phase error signal output terminal
110	VDD	—	Power supply terminal (+3.3V)
111	DASYO	O	RF binary signal output terminal
112	GNDA5	—	Ground terminal
113, 114	ASF1, AFS2	—	Filter connected terminal for selection the constant asymmetry compensation
115	DASYI	I	Analog signal input after integrated from the RF binary signal
116	RFDCC	I	Input terminal for adjusting DC cut high-pass filter for RF signal Not used

Pin No.	Pin Name	I/O	Description
117	RFIN	I	RF signal input from the CD/DVD/SACD RF amplifier
118, 119	VCCA5, VCCA4	—	Power supply terminal (+3.3V)
120	VCOR1	—	VCO oscillating range setting resistor connected terminal
121	VCOIN	I	VCO input terminal
122, 123	GNDA4, GNDA3	—	Ground terminal
124	LPF5	O	Signal output from the operation amplifier from PLL loop filter
125	VC1	I	Middle point voltage (+1.65V) input terminal
126, 127	LPF2, LPF1	I	Inverted signal input to the operation amplifier from PLL loop filter
128, 129	VCCA3, VCCA2	—	Power supply terminal (+3.3V)
130	PDO	O	Signal output from the charge pump for phase comparator
131	PDHVCC	I	Middle point voltage input terminal for RF PLL
132	FDO	O	Signal output from the charge pump for frequency comparator
133, 134	GNDA2, GNDA1	—	Ground terminal
135	SPO	O	Spindle motor control signal output terminal
136	VC2	I	Middle point voltage (+1.65V) input terminal
137	MDIN2	I	Spindle motor servo drive signal input terminal
138	MDIN1	I	MDP input terminal
139	VCCA1	—	Power supply terminal (+3.3V)
140	CLVS	O	Control signal output for selection the spindle control filter constant at CLVS
141	VSS	—	Ground terminal
142	MDSOUT	O	Frequency error output terminal of internal CLV circuit
143	VDD	—	Power supply terminal (+3.3V)
144	MDPOUT	O	Phase error output of internal CLV circuit
145	DFCT	I	Defect signal input from the DSP
146	GSCOR	I	Guard subcode sync (S0+S1) detection signal input from the DSP
147	EXCK	O	Subcode serial data reading clock signal output to the DSP
148	SBIN	I	Subcode serial data input from the DSP
149	VSS	—	Ground terminal
150	SCOR	I	Subcode sync (S0+S1) detection signal input from the DSP
151	WFCK	I	Write frame clock signal input from the DSP
152	VDD5V	—	Power supply terminal (+5V)
153	XRCI	I	RAM overflow signal input terminal Not used
154	VDDS	—	Power supply terminal (+5V)
155	C2PO	I	C2 pointer signal input from the DSP
156	VDD	—	Power supply terminal (+3.3V)
157	DBCK	O	Bit clock signal (2.8224 MHz) output terminal Not used
158	BCLK	I	Bit clock signal (2.8224 MHz) input from the DSP
159	DDAT	O	PCM data output terminal Not used
160	MDAT	I	Serial data input from the DSP
161	VSS	—	Ground terminal
162	DLRC	O	L/R sampling clock signal (44.1 kHz) output terminal Not used
163	LRCK	I	L/R sampling clock signal (44.1 kHz) input from the DSP
164	XRST	I	Reset signal input from the mechanism controller “L”: reset
165	IFS0	I	Interface selection signal input terminal Fixed at “L” in this set
166	IFS1	I	Interface selection signal input terminal Fixed at “H” in this set
167	XTAL	I	System clock (33.8688 MHz) input terminal
168	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
169	XTA2	O	System clock (33.8688 MHz) output terminal
170	XTA1	I	System clock (33.8688 MHz) input from the clock generator
171	VDD	—	Power supply terminal (+3.3V)
172 to 176	D0 to D4	I/O	Two-way data bus with the mechanism controller

• DMB07 BOARD IC801 CXD2753R (DSD DECODER)

Pin No.	Pin Name	I/O	Description
1	VSCA0	—	Ground terminal (for core)
2	XMSLAT	I	Serial data latch pulse signal input from the mechanism controller
3	MSCK	I	Serial data transfer clock signal input from the mechanism controller
4	MSDATI	I	Serial data input from the mechanism controller
5	VDCA0	—	Power supply terminal (+2.5V) (for core)
6	MSDATO	O	Serial data output to the mechanism controller
7	MSREADY	O	Ready signal output to the mechanism controller "L": ready
8	XMSDOE	O	Serial data output enable signal output terminal Not used
9	XRST	I	Reset signal input from the mechanism controller "L": reset
10	SMUTE	I	Soft muting on/off control signal input from the mechanism controller "H": muting on
11	MCKI	I	Master clock signal (33.8688 MHz) input from the clock generator
12	VSIOA0	—	Ground terminal (for I/O)
13	EXCKO1	O	Master clock (22.5792 MHz) signal output to the digital audio processor
14	EXCKO2	O	External clock signal output terminal Not used
15	LRCK	O	L/R sampling clock signal (44.1 kHz) output terminal Not used
16	F75HZ	O	Not used
17	VDIOA0	—	Power supply terminal (+3.3V) (for I/O)
18 to 25	MNT0 to MNT7	O	Monitor signal output terminal Not used
26	TCK	I	Clock signal input terminal (for JTAG)
27	TDI	I	Data input terminal (for JTAG)
28	VSCA1	—	Ground terminal (for core)
29	TDO	O	Data output terminal (for JTAG) Not used
30	TMS	I	Mode selection signal input terminal (for JTAG)
31	TRST	I	Reset signal input terminal (for JTAG)
32 to 34	TEST1 to TEST3	I	Input terminal for the test (normally: fixed at "L")
35	VDCA1	—	Power supply terminal (+2.5V) (for core)
36	UBIT	O	Monitor terminal relative to DST Not used
37	XBIT	O	Monitor terminal relative to DST Not used
38 to 41	SUPDT0 to SUPDT3	O	Supplementary data output terminal Not used
42	VSIOA1	—	Ground terminal (for I/O)
43, 44	SUPDT4, SUPDT5	O	Supplementary data output terminal Not used
45	VDIOA1	—	Power supply terminal (+3.3V) (for I/O)
46, 47	SUPDT6, SUPDT7	O	Supplementary data output terminal Not used
48	SUPEN	O	Supplementary data enable signal output terminal Not used
49	VSCA2	—	Ground terminal (for core)
50	NC	O	Not used
51, 52	TEST4, TEST5	I	Input terminal for the test (normally: fixed at "L")
53	NC	O	Not used
54	VDCA2	—	Power supply terminal (+2.5V) (for core)
55	DSADML	O	DSD data output terminal for L-ch down mix Not used
56	DSADMR	O	DSD data output terminal for R-ch down mix Not used
57	BCKASL	I	Input/output selection signal input terminal of bit clock signal (2.8224 MHz) for DSD data output "L": input (slave), "H": output (master) Fixed at "L" in this set
58	VSDSD0	—	Ground terminal (for DSD data output)
59	BCKAI	I	Clock signal (5.6448 MHz) input terminal
60	BCKAO	O	Bit clock signal (2.8224 MHz) output for DSD data output to the digital audio processor

Pin No.	Pin Name	I/O	Description
61	PHREFI	I	Phase reference signal input terminal for DSD output phase modulation Not used
62	PHREFO	O	Phase reference signal output terminal for DSD output phase modulation Not used
63	ZDFL	O	Front L-ch Zero data flag detection signal output terminal Not used
64	DSAL	O	Front L-ch DSD data output to the digital audio processor
65	ZDFR	O	Front R-ch Zero data flag detection signal output terminal Not used
66	DSAR	O	Front R-ch DSD data output to the digital audio processor
67	VDDSD0	—	Power supply terminal (+3.3V) (for DSD data output)
68	ZDFC	O	Center zero data flag detection signal output terminal Not used
69	DSAC	O	Center DSD data output to the digital audio processor
70	ZDFLFE	O	Sub woofer zero data flag detection signal output terminal Not used
71	DSALFE	O	Sub woofer DSD data output to the digital audio processor
72	VSDSD1	—	Ground terminal (for DSD data output)
73	ZDFLS	O	Surround L-ch zero data flag detection signal output terminal Not used
74	DSALS	O	Surround L-ch DSD data output to the digital audio processor
75	ZDFRS	O	Surround R-ch zero data flag detection signal output terminal Not used
76	DSARS	O	Surround R-ch DSD data output to the digital audio processor
77	VDDSD1	—	Power supply terminal (+3.3V) (For DSD data output)
78, 79	IOUT0, IOUT1	I/O	Two-way data bus terminal Not used
80	VSCB0	—	Ground terminal (for core)
81, 82	IOUT2, IOUT3	I/O	Two-way data bus terminal Not used
83	VDCB0	—	Power supply terminal (+2.5V) (for core)
84, 85	IOUT4, IOUT5	I/O	Two-way data bus terminal Not used
86	VSIOB0	—	Ground terminal (for I/O)
87	IANCO	O	Transmission information data output terminal Not used
88	IFULL	I	Data transmission hold request signal input terminal Not used
89	IEMPTY	I	High speed transmission request signal input terminal Not used
90	VDIOB0	—	Power supply terminal (+3.3V) (for I/O)
91	IFRM	O	Frame reference signal output terminal Not used
92	IOUTE	O	Enable signal output terminal Not used
93	IBCK	O	Data transmission clock signal output terminal Not used
94	VSCB1	—	Ground terminal (for core)
95	IERR	I	Not used
96	IANCI	I	Not used
97	IPLAN	I	Not used
98	IHOLD	O	Not used
99	VDCB1	—	Power supply terminal (+2.5V) (for core)
100	IVLD	I	Not used
101 to 105	IDIN0 to IDIN4	I	Not used
106	VSIOB1	—	Ground terminal (for I/O)
107 to 109	IDIN5 to IDIN7	I	Not used
110	VDIOB1	—	Power supply terminal (+3.3V) (for I/O)
111 to 114	WAD0 to WAD3	I	External A/D data input terminal for PSP physical disc mark detection Not used
115	TESTI	I	Input terminal for disc inspection mode from the mechanism controller
116	VSCB2	—	Ground terminal (for core)
117 to 120	WAD4 to WAD7	I	External A/D data input terminal for PSP physical disc mark detection Not used
121	VDCB2	—	Power supply terminal (+2.5V) (for core)

Pin No.	Pin Name	I/O	Description
122	WRFD	I	Not used
123	WCK	I	Operation clock signal input for PSP physical disc mark detection from the DVD decoder
124, 125	WAVDD0, WAVDD1	—	A/D power supply terminal (+2.5V) (for PSP physical disc mark detection)
126	WARFI	I	Analog RF signal input for PSP physical disc mark detection from the CD/DVD/SACD RF amplifier
127	WAVRB	I	A/D bottom reference terminal for PSP physical disc mark detection
128, 129	WAVSS0, WAVSS1	—	A/D ground terminal (for PSP physical disc mark detection)
130	VSIOA2	—	Ground terminal (for I/O)
131 to 134	DQ7 to DQ4	I/O	Two-way data bus with the D-RAM
135	VDIOA2	—	Power supply terminal (+3.3V) (for I/O)
136 to 139	DQ3 to DQ0	I/O	Two-way data bus with the D-RAM
140	VSIOA3	—	Ground terminal (for I/O)
141	DCLK	O	Clock signal output to the D-RAM
142	DCKE	O	Clock enable signal output to the D-RAM
143	XWE	O	Write enable signal output to the D-RAM
144	XCAS	O	Column address strobe signal output to the D-RAM
145	XRAS	O	Row address strobe signal output to the D-RAM
146	VDIOA3	—	Power supply terminal (+3.3V) (for I/O)
147	NC	O	Not used
148, 149	A11, A10	O	Address signal output to the D-RAM
150	VSCA3	—	Ground terminal (for core)
151, 152	A9, A8	O	Address signal output to the D-RAM
153	VDCA3	—	Power supply terminal (+2.5V) (for core)
154 to 157	A7 to A4	O	Address signal output to the D-RAM
158	VSIOA4	—	Ground terminal (for I/O)
159 to 162	A3 to A0	O	Address signal output to the D-RAM
163	VDIOA4	—	Power supply terminal (+3.3V) (for I/O)
164	XSRQ	O	Serial data request signal output to the DVD decoder
165	XSHD	I	Header flag signal input from the DVD decoder
166	SDCK	I	Serial data transfer clock signal input from the DVD decoder
167	XSAK	I	Serial data effect flag signal input from the DVD decoder
168	SDEF	I	Error flag signal input from the DVD decoder
169 to 176	SD0 to SD7	I	Stream data signal input from the DVD decoder

• DMB07 BOARD IC901 CXP973064-245R (MECHANISM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	NO_USE	O	Not used
2	SDEN	O	Serial data enable signal output to the CD/DVD/SACD RF amplifier
3	DOCTRL/ISBTEST	O	Digital out on/off control signal output to the DSP and DSD decoder "L": digital out off, "H": digital out on
4	XRST_2753	O	Reset signal output to the DSD decoder "L": reset
5	SDA_EEP	I/O	Data bus with the EEPROM
6	MNT1	I	EEPROM ready signal input from the DVD decoder
7	FCS_JMP_1	O	Focus jump 1 signal output to the motor/coil driver
8	FCS_JMP_2	O	Focus jump 2 signal output to the motor/coil driver
9	SENS_CD	I	Internal status (SENSE) signal input from the DSP
10	CDSP2	O	System clock frequency selection signal output to the DSP "L": 16.9344 MHz, "H": 33.8688MHz
11	CDSP4	O	Not used
12	XCS_DVD	O	Chip select signal output to the DVD decoder
13	VSS	—	Ground terminal
14 to 21	D0 to D7	I/O	Two-way data bus with the DVD decoder
22, 23	INIT0_DVD, INIT1_DVD	I	Interrupt signal input from the DVD decoder
24	MSCK_SAMBA	O	Serial data transfer clock signal output to the DSD decoder
25	XRST_1882	O	Reset signal output to the DVD decoder "L": reset
26	SCOR	I	Subcode sync (S0+S1) detection signal input from the DSP
27	LAT_CD	O	Serial data latch pulse signal output to the DSP
28	LDON	O	Laser diode on/off control signal output to the CD/DVD/SACD RF amplifier
29	MIRR	I	Mirror signal input from the CD/DVD/SACD RF amplifier and DSP
30	COUT_CD	I	Numbers of track counted signal input from the DSP
31	INLIM	I	Detection signal input from limit in switch The optical pick-up is inner position when "H"
32	CS_ZIVA	O	Chip select signal output terminal
33	SI_ZIVA	I	Serial data input from the DVD system processor
34	SO_ZIVA	O	Serial data output to the DVD system processor
35	SCK_ZIVA	O	Serial data transfer clock signal output to the EEPROM and DVD system processor
36	DRVIRQ	O	Interrupt request signal output to the DVD system processor
37	DRVRDY	O	Ready signal output to the DVD system processor
38	RST	I	Reset signal input from the DVD system processor "L": reset
39	VSS	—	Ground terminal
40	XTAL	I	System clock input terminal (20 MHz)
41	EXTAL	O	System clock output terminal (20 MHz)
42	VDD	—	Power supply terminal (+3.3V)
43, 44	SLED_A, SLED_B	O	Sled motor drive signal output terminal
45	SCK_DSD	O	Output terminal for offset adjustment of APEO (⑩⑨pin of DVD decoder)
46	SDOUT_DSD	O	Serial data output to the DSD decoder
47	SDIN_DSD	I	Serial data input from the DSD decoder
48	READY_DSD	I	Ready signal input from the DSD decoder "L": ready
49	DATA_CD	O	Serial data output to the DSP
50	CLOK_CD	O	Serial data transfer clock signal output to the DSP
51	XMSLAT	O	Serial data latch pulse signal output to the DSD decoder
52	SQSO	I	Subcode Q data input from the DSP
53	MUTE_DSD	O	Soft muting on/off control signal output terminal "H": muting on

Pin No.	Pin Name	I/O	Description
54	SQCK	O	Subcode Q data reading clock signal output to the DSP
55	VSS	—	Ground terminal
56, 57	CONTROL_2, CONTROL_1	I	Not used
58	GFS_DVD	I	Guard frame sync signal input from the DVD decoder
59	MUTE_CD	O	Muting on/off control signal output to the DSP “H”: muting on
60	MUTE_2D	O	Muting on/off control signal output to the motor/coil driver
61	SLED	I	Sled servo drive PWM signal input from the DSP
62	FG	I	Spindle motor control signal input from the motor/coil driver
63	SP_ON	O	Muting on/off control signal output to the motor/coil driver
64	JIT	I	Jitter signal input terminal
65	TE	I	Tracking error signal input from the CD/DVD/SACD RF amplifier
66	PI	I	Pull in signal input from the CD/DVD/SACD RF amplifier
67	FE	I	Focus error signal input from the CD/DVD/SACD RF amplifier
68	AVSS	—	Ground terminal
69	AVREF	I	Reference voltage (+3.3V) input terminal
70	AVDD	—	Power supply terminal (+3.3V)
71	GFS_CD	I	Guard frame sync signal input from the DSP
72	SCLK_CD	O	SENSE serial data reading clock signal output to the DSP
73	TSD-M	O	Thermal shut down signal output to the motor/coil driver
74	FOK_CD	I	Focus OK signal input from the DSP
75	LOCK_CD	I	GFS is sampled by 460 Hz “H” input when GFS is “H”
76	LDSEL	O	Laser diode selection signal output terminal
77	SACD/$\overline{\text{DVD}}$	O	SACD/DVD selection signal output terminal “L”: DVD, “L”: SACD
78	I2C_SIO	I/O	Two-way I2C data bus with the DVD system processor and system controller
79	I2C_SCL	I/O	Two-way I2C clock bus with the DVD system processor and system controller
80	RXD	I	Serial data input from the RS-232C (for check)
81	TXD	O	Serial data output to the RS-232C (for check)
82	SDCLK_RF	O	Serial data transfer clock signal output to the CD/DVD/SACD RF amplifier
83	SDATA_RF	I/O	Two-way data bus with the CD/DVD/SACD RF amplifier
84	XWR	O	Write strobe signal output to the DVD decoder
85	XRD	O	Read strobe signal output to the DVD decoder
86	(PWE)	—	Not used
87	VDD	—	Power supply terminal (+3.3V)
88	VSS	—	Ground terminal
89 to 96	A0 to A7	O	Address signal output to the DVD decoder
97	DSAVE	O	Power save control signal output to the motor/coil driver
98	XDRST	O	Reset signal output to the DSP “L”: reset
99	WP_EEP	O	Write protect signal output to the EEPROM
100	SCLK_EEP	O	Clock signal output to the EEPROM

• DVD-POW BOARD IC301 uPD703033BYGF-M57-3BA-A (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	UCOM-DO	O	Ucom data output to Subwoofer
2	UCOM-CLK	O	Not used
3	I2C-DATA	O	12c-data signal output to DVD system processor
4	ZIVA-RST	O	Reset signal output to DVD system processor
5	I2C-CLK	O	12c-clock signal output to DVD system processor
6	QUA-DI	I	Touch key data input from touch key driver
7	QUA-DO	O	Touch key data output to touch key driver
8	QUA SYNC	O	Sync signal output
9	EVDD	—	Power Supply (+5V)
10	EVSS	—	Ground terminal
11	LED0	O	LED0 drive signal output
12	LED1	O	LED1 drive signal output
13	NC	—	Not used
14	FL-LAT	O	Fl-lat data output to Fluorescent Indicator Tube
15	FL-BK	O	Fl-bk data output to Fluorescent Indicator Tube
16	FL-DATA	O	Fl-data data output to Fluorescent Indicator Tube
17	FL-CLK	O	Fl-clk data output to Fluorescent Indicator Tube
18	LED2	O	LED2 drive signal output
19	LED3	O	LED3 drive signal output
20	LED4	O	LED4 drive signal output
21	IC/VPP	—	Not used
22	STBY LED	O	Standby LED drive signal output
23	NC	—	Not used
24	NC	—	Not used
25	NC	—	Not used
26	DF INIT	O	Df init signal output to Digital Audio Proccer
27	DF SEL	O	Df sel signal output to Digital Audio Proccer
28	M REQ	I	Mute req signal input to DVD system processor
29	NC	—	Not used
30	NC	—	Not used
31	NC	—	Not used
32	NC	—	Not used
33	NC	—	Not used
34	RESET	I	System Reset Signal input
35	XT1	—	Not used
36	XT2	—	Not used
37	REGO	I	Rego signal input
38	X2	O	Main Oscillator signal output
39	X1	I	Main Oscillator signal input
40	VSS	—	Ground terminal
41	VDD	—	Power Supply (+5V)
42	CLKO	—	Not used
43	NC	—	Not used
44	NC	—	Not used
45	STBY POWER	O	Standby signal output to system controller (SA-WSLF1)
46	DVD POW	O	DVD power control signal output
47	A.MCON RST	O	System reset signal output to system controller (SA-WSLF1)

Pin No.	Pin Name	I/O	Description
48	NC	—	Not used
49	NC	—	Not used
50	QUA SI0	O	Touch key scan data output to touch key driver
51	QUA SI1	O	Touch key scan data output to touch key driver
52	QUA SI2	O	Touch key scan data output to touch key driver
53	QUA SO3	I	Touch key data input from touch key driver
54	QUA SO2	I	Touch key data input from touch key driver
55	QUA SO1	I	Touch key data input from touch key driver
56	QUA SO0	I	Touch key data input from touch key driver
57	QUA RST	O	System reset signal output to touch key driver
58	BVDD	—	Power Supply (+5V)
59	BVSS	—	Ground terminal
60	QUA RDY	I	Ready signal input from touch key driver
61	NC	—	Not used
62	NC	—	Not used
63	NC	—	Not used
64	NC	—	Not used
65	NC	—	Not used
66	NC	—	Not used
67	NC	—	Not used
68	NC	—	Not used
69	CDM-CHK-SW	I	Chucking detection switch signal input
70	CDM-OUT-SW	I	Trigger detection switch signal input
71	CDM-TRD-SW	I	Loading out detection switch signal input
72	CDM FIN	O	Motor drive signal output
73	CDM RIN	O	Motor drive signal output
74	AVDD	—	Power Supply (+5V)
75	AVSS	—	Ground terminal
76	AVREF	I	Reference voltage input terminal
77	D.POW SENS	O	Not used
78	NC	—	Not used
79	NC	—	Not used
80	AREA	I	Voltage input terminal of area
81	NC	—	Not used
82	KEY0	I	KEY(power) input terminal
83	KEY1	I	KEY(eject) input terminal
84	KEY2	I	KEY(test mode) input terminal
85	NC	—	Not used
86	NC	—	Not used
87	NC	—	Not used
88	NC	—	Not used
89	NC	—	Not used
90	STOP	I	STOP signal input from Switching Regulator (SA-WSLF1)
91	I/PSW	I	I/PSW signal input from DVD system processor
92	WIDE	I	WIDE signal input from DVD system processor
93	WAKE	O	WAKE output data
94	SIRCS	I	SIRCS signal input from the remote sensor

Pin No.	Pin Name	I/O	Description
95	V SW	O	Mute signal output to the Video Amp
96	V MUTE	O	RCS signal output to the Video Amp
98	NC	—	Not used
98	NC	—	Not used
99	AMPMCOM	—	Not used
100	UCOM-DI		Ucom data input to Subwoofer

SECTION 7
EXPLODED VIEWS

NOTE:

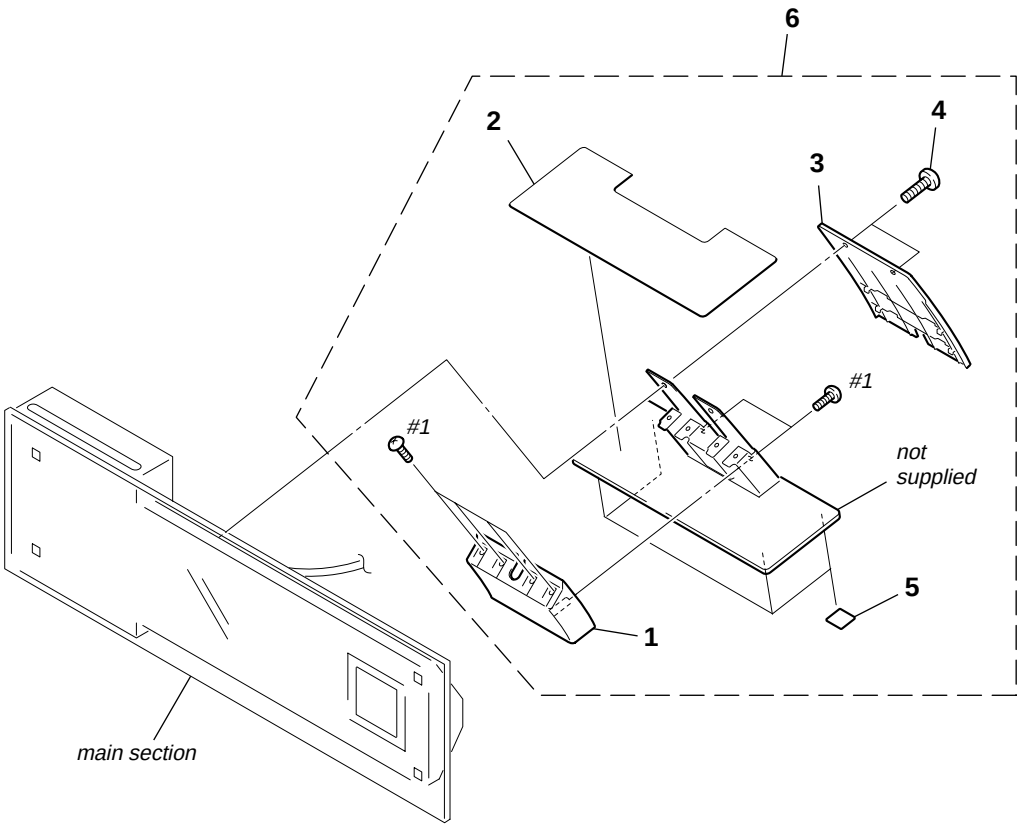
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

- Abbreviation
  AUS : Australian model
  CND : Canadian model
  E41 : Chilean and peruvian models
  EA : Saudi Arabia model
  HK : Hong Kong model
  KR : Korea model
  MX : Mexican model
  RU : Russian model
  SP : Singapore model
  TW : Taiwan model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

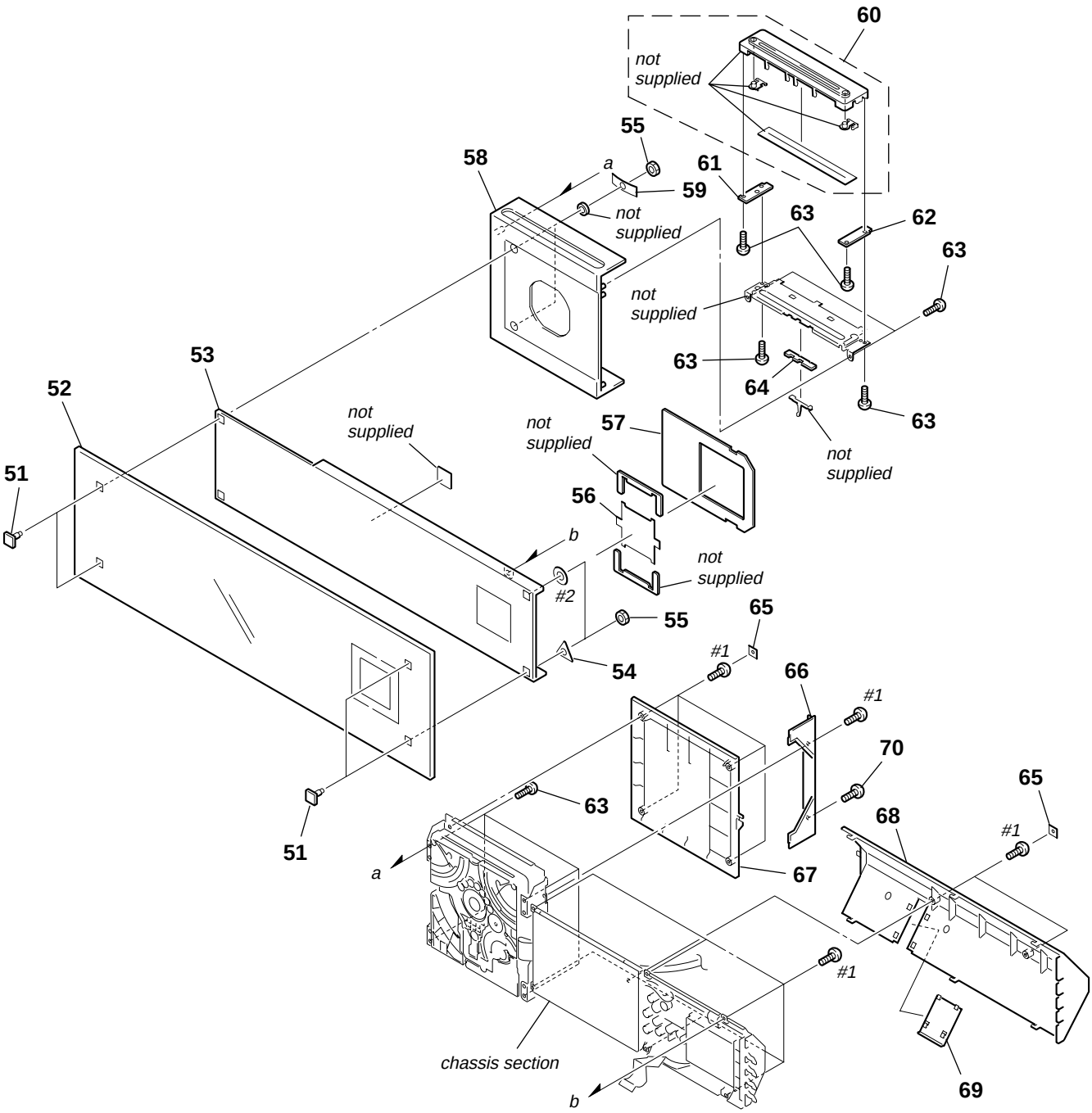
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. STAND SECTION



Ref. No.	Part No.	Description	Remark
1	2-176-113-01	COVER (FRONT)	
2	2-176-109-01	BASE (AL)	
3	2-176-114-01	COVER (REAR)	
4	4-248-560-11	SCREW (HEX 4X10)	
5	2-176-110-10	FOOT (STAND)	
6	A-1066-311-A	STAND ASSY (EXCEPT KR)	
6	A-1092-692-A	STAND ASSY (KR)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

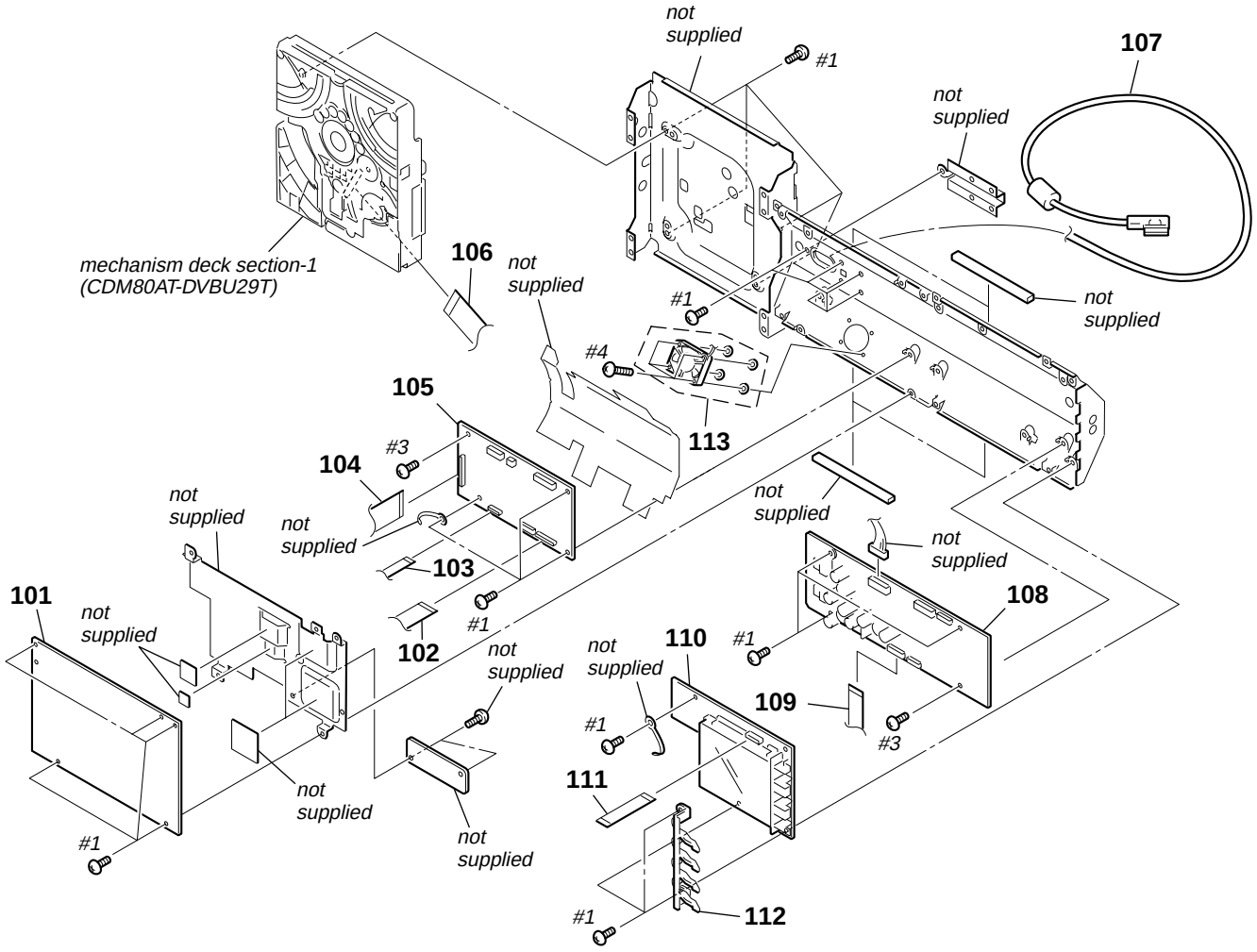
7-2. MAIN SECTION



Ref. No.	Part No.	Description	Remark
51	2-102-728-01	SHAFT (SC)	
52	2-102-724-01	PANEL (PMMA)	
53	2-102-725-01	PANEL (AL) (EXCEPT AEP, UK, RU)	
53	2-102-725-21	PANEL (AL) (AEP, UK, RU)	
54	2-177-732-01	SPRING (B), LEAF	
55	2-187-342-01	NUT (M3-3), HEXAGON	
56	2-102-743-01	SHEET (FL)	
57	A-1065-362-A	TOUCH KEY BOARD, COMPLETE	
58	2-102-726-01	CASE (CDM)	
59	2-177-731-01	SPRING (A), LEAF	
60	X-2022-359-1	ESCUTCHEON ASSY	
61	A-1065-363-A	STBY KEY BOARD, COMPLETE	
62	A-1065-364-A	EJECT KEY BOARD, COMPLETE	
63	4-951-620-01	SCREW (2.6X8), +BVTP	
64	A-1065-365-A	DLED BOARD, COMPLETE	

Ref. No.	Part No.	Description	Remark
65	2-148-307-01	COVER (SH)	
66	2-108-338-01	PANEL (CDM), SIDE	
67	2-102-732-01	PANEL (CDM), BACK (AEP, UK)	
67	2-102-732-11	PANEL (CDM), BACK (US, CND)	
67	2-102-732-31	PANEL (CDM), BACK (HK, SP)	
67	2-102-732-41	PANEL (CDM), BACK (RU)	
67	2-102-732-51	PANEL (CDM), BACK (EA)	
67	2-102-732-71	PANEL (CDM), BACK (MX)	
67	2-102-732-81	PANEL (CDM), BACK (TW)	
68	2-102-733-31	PANEL (MAIN), BACK (US, CND)	
68	2-102-733-41	PANEL (MAIN), BACK (EXCEPT US, CND)	
69	2-148-806-01	COVER (SYS)	
70	3-970-608-01	SUMITITE (B3), +BV	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-688-004-01	W 4, SMALL	

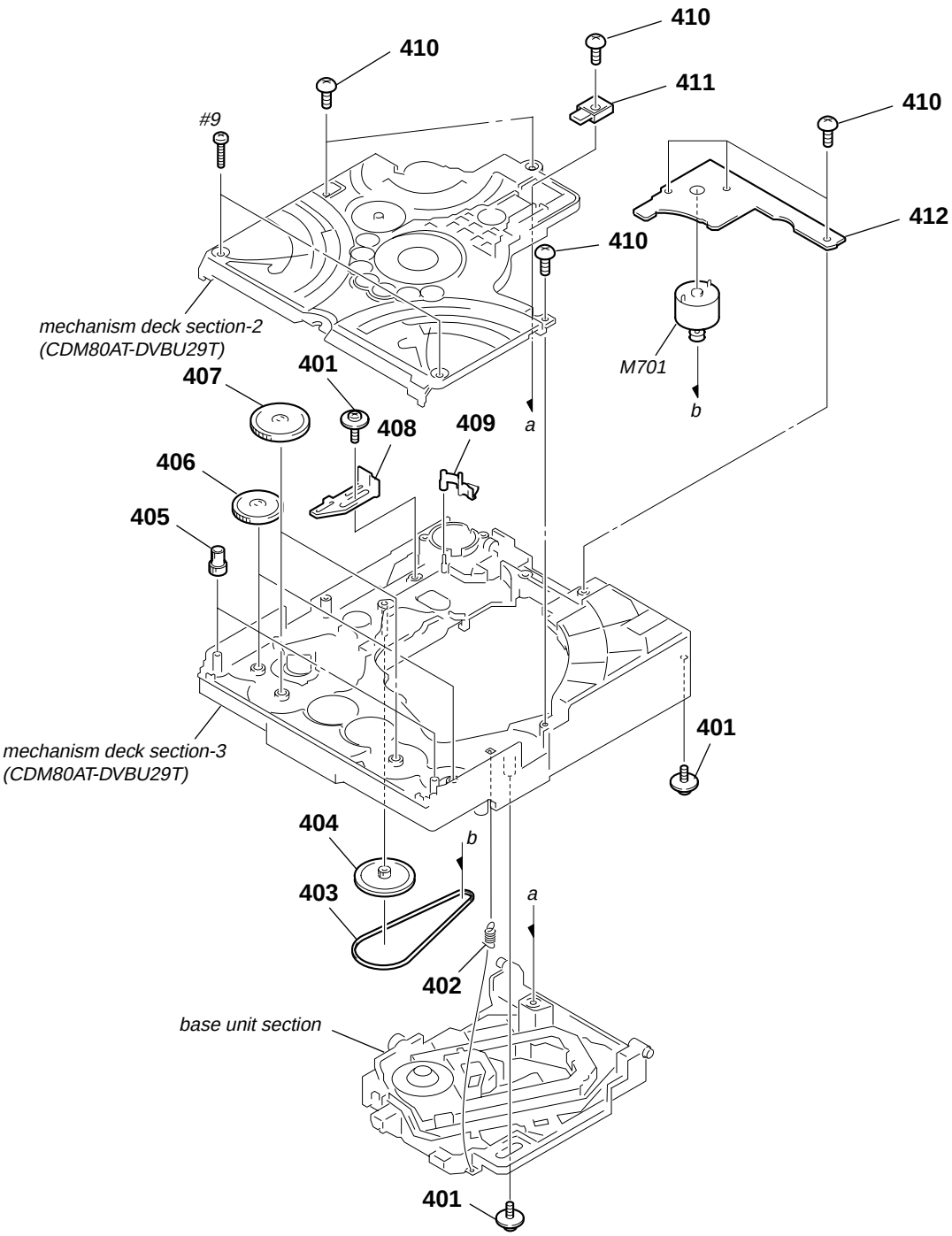
7-3. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
101	A-1065-369-A	DMB07 BOARD, COMPLETE (AEP, UK, RU)	
101	A-1065-835-A	DMB07 BOARD, COMPLETE (US, CND)	
101	A-1065-871-A	DMB07 BOARD, COMPLETE (AUS, EA, SP, HK, KR, MX, E41, TW)	
102	1-829-825-11	WIRE, FLAT TYPE (17 CORE)	
103	1-829-824-11	WIRE, FLAT TYPE (9 CORE)	
104	1-829-826-11	WIRE, FLAT TYPE (25 CORE)	
105	A-1065-833-A	I/O BOARD, COMPLETE (EXCEPT AEP, UK, RU)	
105	A-1065-367-A	I/O BOARD, COMPLETE (AEP, UK, RU)	
106	1-829-827-11	WIRE, FLAT TYPE (29 CORE)	
107	1-829-383-11	CABLE (SYSTEM) (EXCEPT US, CND)	
107	1-830-201-11	CABLE (FOR SYSTEM) U/CA (US, CND)	
108	A-1065-357-A	DVD-POW BOARD, COMPLETE (AEP, UK)	
108	A-1065-831-A	DVD-POW BOARD, COMPLETE (US, CND)	

Ref. No.	Part No.	Description	Remark
108	A-1065-870-A	DVD-POW BOARD, COMPLETE (SP, HK, KR, TW)	
108	A-1073-690-A	DVD-POW BOARD, COMPLETE (RU)	
108	A-1082-495-A	DVD-POW BOARD, COMPLETE (EA)	
108	A-1082-558-A	DVD-POW BOARD, COMPLETE (MX, E41)	
108	A-1105-773-A	DVD-POW BOARD, COMPLETE (AUS)	
109	1-829-822-11	WIRE, FLAT TYPE (18 CORE)	
110	A-1065-359-A	DISPLAY BOARD, COMPLETE	
111	1-829-823-11	WIRE, FLAT TYPE (12 CORE)	
112	2-102-742-01	INDICATOR (FUNC)	
113	1-787-264-11	FAN, DC	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#3	7-685-871-01	SCREW +BVTT 3X6 (S)	
#4	7-685-875-01	SCREW +BVTT 3X14 (S)	

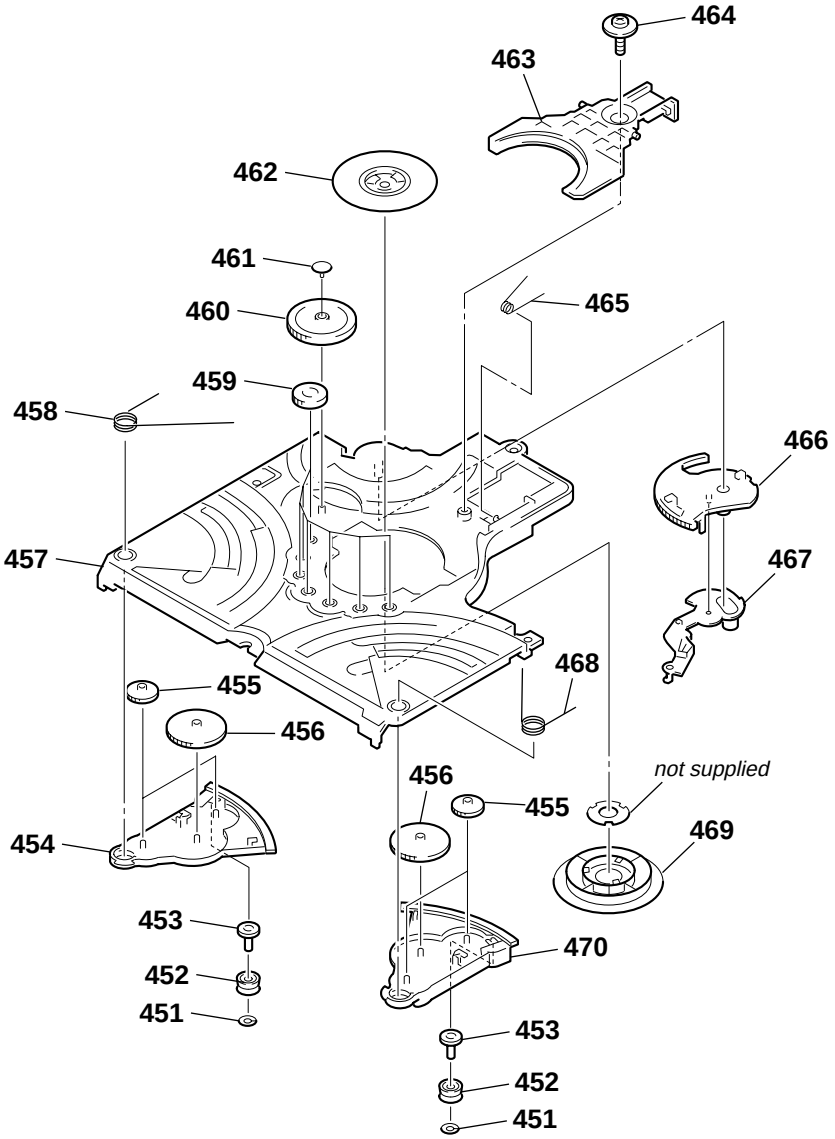
7-4. MECHANISM DECK SECTION-1 (CDM80AT-DVBU29T)



Ref. No.	Part No.	Description	Remark
401	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
402	4-248-723-01	SPR-E, HOLDER DOWN	
403	4-245-653-01	BELT (MOT)	
404	4-245-662-01	PULLEY (GEAR)	
405	4-245-646-01	GEAR (IDL-F)	
406	4-245-644-01	GEAR (IDL-D)	
407	4-245-645-01	GEAR (IDL-E)	

Ref. No.	Part No.	Description	Remark
408	4-246-203-01	LEVER (RELEASE)	
409	4-245-630-01	LEVER (SW)	
410	4-951-620-01	SCREW (2.6X8), +BVTP	
411	4-245-639-01	LEVER (CL UP2)	
412	1-688-337-11	DRIVER BOARD	
M701	X-2021-530-1	MOTOR (PULLEY) ASSY (LOADING)	
#9	7-685-106-19	SCREW +P 2X10 TYPE2 NON-SLIT	

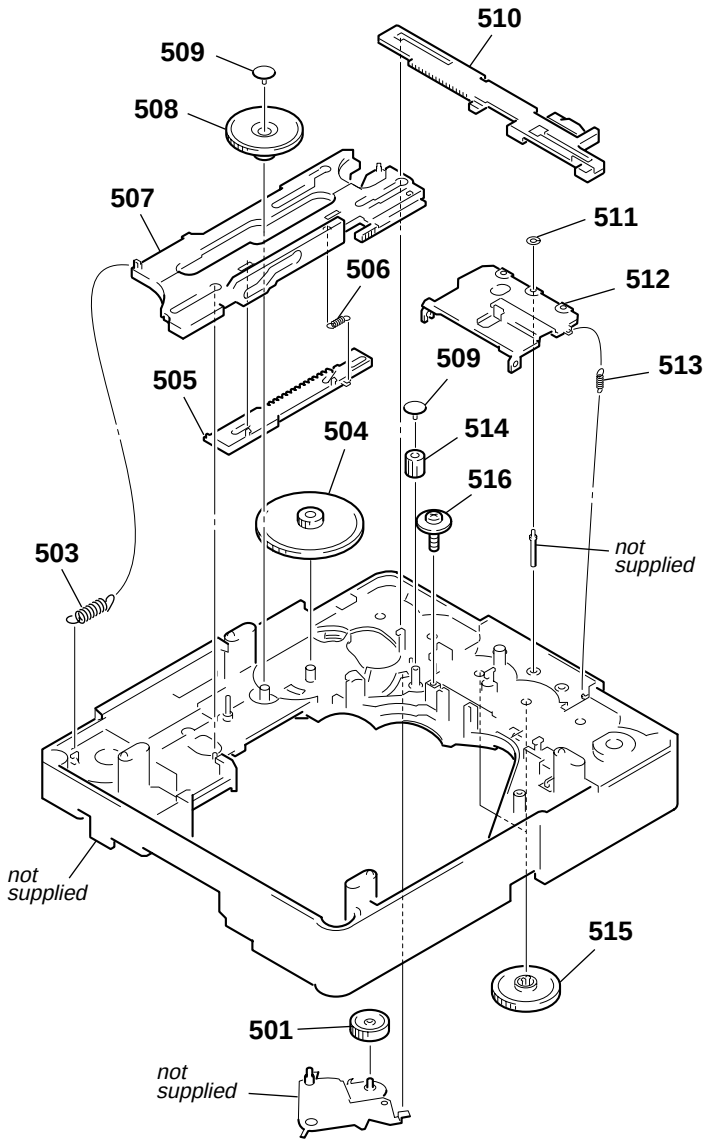
7-5. MECHANISM DECK SECTION-2 (CDM80AT-DVBU29T)



Ref. No.	Part No.	Description	Remark
451	4-245-627-01	WASHER (6-2.7-0.4)	
452	4-245-637-01	ROLLER, RUBBER	
453	4-245-649-01	GEAR (IDL-I)	
454	4-245-657-01	LEVER (LOADING-R)	
455	4-245-647-01	GEAR (IDL-G)	
456	4-245-648-01	GEAR (IDL-H)	
457	4-245-655-01	CHASSIS (TOP)	
458	4-245-631-01	SPT-T (LOADING-R)	
459	4-245-650-01	GEAR (IDL-J)	
460	4-245-651-01	GEAR (IDL-L)	

Ref. No.	Part No.	Description	Remark
461	4-245-640-01	GEAR (CAP)	
462	4-245-626-01	CAP, CLAMPER DBU-1	
463	4-245-638-01	LEVER (CL UP1)	
464	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	
465	4-245-636-01	SPR-T CL DOWN	
466	4-245-658-01	LEVER (DISC STOP)	
467	4-245-659-01	LEVER (DISC SENSOR)	
468	4-245-632-01	SPR-T (LOADING-L)	
469	4-245-625-01	CLAMPER DBU-1	
470	4-245-656-01	LEVER (LOADING-L)	

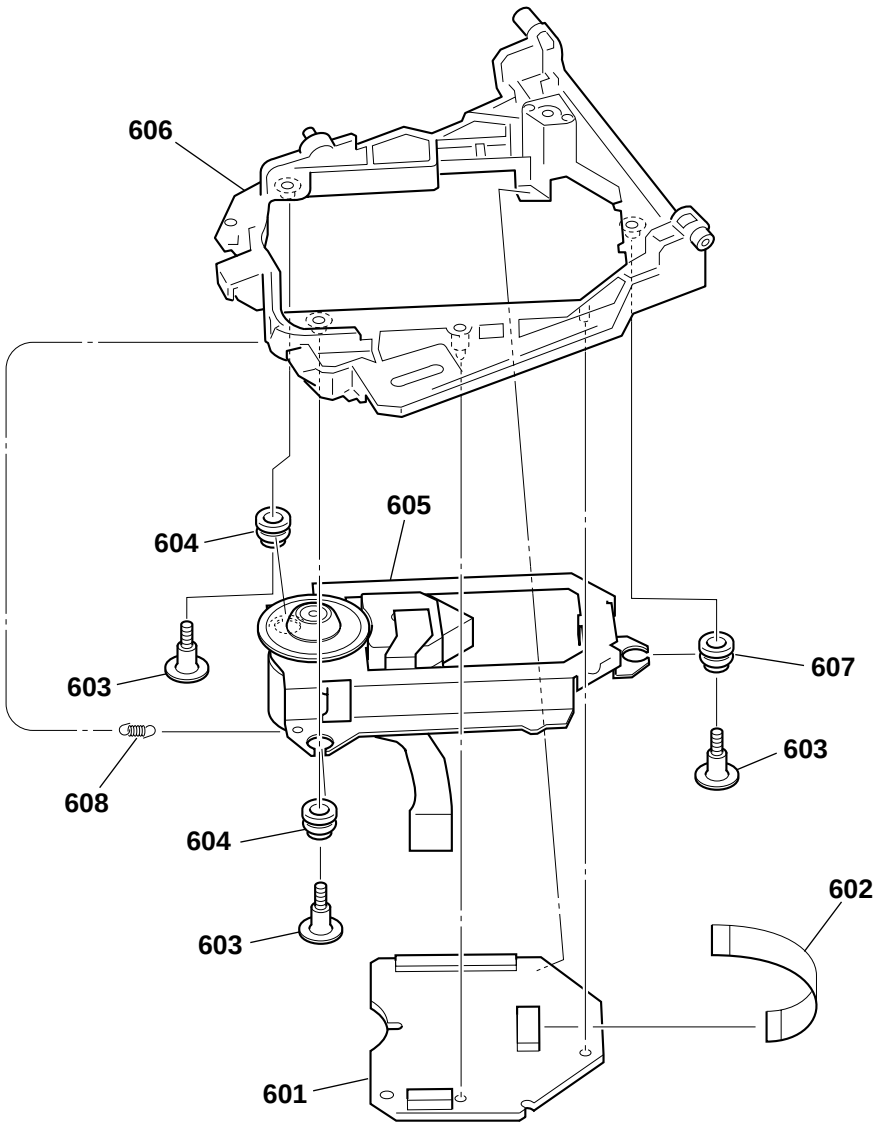
7-6. MECHANISM DECK SECTION-3 (CDM80AT-DVBU29T)



Ref. No.	Part No.	Description	Remark
501	4-245-643-01	GEAR (IDL-C)	
503	4-248-722-01	SPR-E, DIR	
504	4-245-642-01	GEAR (IDL-B)	
505	4-245-814-01	LEVER (DIR FIRST)	
506	4-245-633-01	SPR-E DIR BACK	
507	4-245-660-01	LEVER (DIR)	
508	4-245-641-01	GEAR (IDL-A)	
509	4-245-640-01	GEAR (CAP)	

Ref. No.	Part No.	Description	Remark
510	4-245-628-01	LEVER (BU LOCK)	
511	4-248-206-01	WASHER (3-1-0.4)	
512	4-245-624-01	LEVER, CLOSE	
513	4-245-635-01	SPR-E LEVER CLOSE	
514	4-245-629-01	GEAR (BU LOCK)	
515	4-245-644-01	GEAR (IDL-D)	
516	4-985-672-01	SCREW (+PTPWHM2.6), FLOATING	

7-7. BASE UNIT SECTION



Ref. No.	Part No.	Description	Remark
601	A-4728-690-A	RF BOARD, COMPLETE	
602	1-685-250-11	FLEXIBLE BOARD	
603	4-981-923-01	SCREW (M), STEP	
604	3-057-023-11	INSULATOR (RB)	
⚠605	A-1071-961-A	OPTICAL PICK-UP (DBU-3)	
606	X-2021-529-1	HOLDER (BU) ASSY	
607	3-053-847-41	INSULATOR	
608	2-102-418-01	SPRING (H-1), TENSION COIL	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 8
ELECTRICAL PARTS LIST

DISPLAY

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
  AUS : Australian model
  CND : Canadian model
  E41 : Chilean and peruvian models
  EA : Saudi Arabia model
  HK : Hong Kong model
  KR : Korea model
  MX : Mexican model
  RU : Russian model
  SP : Singapore model
  TW : Taiwan model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
	A-1065-359-A	DISPLAY BOARD, COMPLETE			
		**********			
*	4-955-901-01	CUSHION (FL)			
		< CAPACITOR >			
C451	1-126-786-11	ELECT	47uF	20%	16V
C452	1-104-996-91	MYLAR	0.033uF	5%	200V
C453	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C454	1-128-552-51	ELECT	47uF	20%	63V
C455	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C456	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C457	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C458	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C459	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C460	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C461	1-126-513-11	ELECT	47uF	20%	6.3V
C462	1-165-554-91	CERAMIC CHIP	0.1uF	10%	100V
C465	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C466	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C467	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C468	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C469	1-126-514-11	ELECT	22uF	20%	16V
		< CONNECTOR >			
CN451	1-784-371-21	CONNECTOR, FFC/FPC 12P			
		< DIODE >			
D451	8-719-081-97	DIODE MMDL914T1			
D452	8-719-081-97	DIODE MMDL914T1			
D453	8-719-081-97	DIODE MMDL914T1			
D454	8-719-081-97	DIODE MMDL914T1			
D455	8-719-056-82	DIODE UDZ-TE-17-6.2B			
D461	6-500-318-01	DIODE NSCW100-TE4 (□□ DIGITAL)			
D462	6-500-318-01	DIODE NSCW100-TE4 (DTS)			
D463	6-500-318-01	DIODE NSCW100-TE4 (□□ PRO LOGIC)			
D464	6-500-318-01	DIODE NSCW100-TE4 (D.C.S)			
		< RESISTOR >			
FB451	1-216-864-11	SHORT CHIP	0		
FB452	1-216-864-11	SHORT CHIP	0		
FB453	1-216-864-11	SHORT CHIP	0		
FB454	1-216-864-11	SHORT CHIP	0		
FB455	1-216-864-11	SHORT CHIP	0		
FB456	1-216-864-11	SHORT CHIP	0		
FB457	1-216-864-11	SHORT CHIP	0		
FB458	1-216-864-11	SHORT CHIP	0		
FB459	1-216-864-11	SHORT CHIP	0		
FB460	1-216-864-11	SHORT CHIP	0		
		< FLUORESCENT INDICATOR >			
FLG401	1-519-768-11	INDICATOR TUBE, FLUORESCENT			
		< COIL >			
L451	1-414-743-21	INDUCTOR	47uH		
L452	1-414-741-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q451	8-729-808-42	TRANSISTOR	2SD1624-T		
Q452	8-729-808-42	TRANSISTOR	2SD1624-T		
Q461	8-729-421-19	TRANSISTOR	UN2213		
Q462	8-729-421-19	TRANSISTOR	UN2213		
Q463	8-729-421-19	TRANSISTOR	UN2213		
Q464	8-729-421-19	TRANSISTOR	UN2213		
		< RESISTOR >			
R451	1-216-049-11	RES-CHIP	1K	5%	1/10W
R452	1-216-073-91	RES-CHIP	10K	5%	1/10W
R453	1-216-025-11	RES-CHIP	100	5%	1/10W
R454	1-216-025-11	RES-CHIP	100	5%	1/10W
R455	1-216-864-11	SHORT CHIP	0		
R456	1-216-864-11	SHORT CHIP	0		
R457	1-216-864-11	SHORT CHIP	0		
R458	1-216-864-11	SHORT CHIP	0		
R459	1-216-001-00	RES-CHIP	10	5%	1/10W
R460	1-216-001-00	RES-CHIP	10	5%	1/10W
R461	1-216-815-11	METAL CHIP	330	5%	1/10W
R462	1-216-815-11	METAL CHIP	330	5%	1/10W
R463	1-216-815-11	METAL CHIP	330	5%	1/10W
R464	1-216-815-11	METAL CHIP	330	5%	1/10W
R465	1-216-864-11	SHORT CHIP	0		
R466	1-216-841-11	METAL CHIP	47K	5%	1/10W
R467	1-216-841-11	METAL CHIP	47K	5%	1/10W

DISPLAY DLED DMB07

Ref. No.	Part No.	Description			Remark
R468	1-216-841-11	METAL CHIP	47K	5%	1/10W
R469	1-216-841-11	METAL CHIP	47K	5%	1/10W
R471	1-216-295-91	SHORT CHIP	0		
		< TRANSFORMER >			
T451	1-443-431-11	TRANSFORMER, DC CONVERTER			
**********					
	A-1065-365-A	DLED BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C472	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN309	1-770-620-21	PIN, CONNECTOR 3P			
		< DIODE >			
D472	6-500-318-01	DIODE NSCW100-TE4 (DISC)			
		< TRANSISTOR >			
Q472	8-729-421-22	TRANSISTOR	UN2211		
		< RESISTOR >			
R472	1-216-815-11	METAL CHIP	330	5%	1/10W
**********					
	A-1065-369-A	DMB07 BOARD, COMPLETE (AEP, UK, RU)			
	A-1065-835-A	DMB07 BOARD, COMPLETE (US, CND)			
	A-1065-871-A	DMB07 BOARD, COMPLETE (AUS, EA, SP, HK, KR, MX, E41, TW)			
		**********			
		< CAPACITOR >			
C101	1-126-246-11	ELECT CHIP	220uF	20%	4V
C151	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C201	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C202	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C203	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C204	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C205	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C213	1-126-209-11	ELECT CHIP	100uF	20%	4V
C214	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C215	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C216	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C218	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C220	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C226	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C227	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C229	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C230	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C231	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C232	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C233	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C234	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C235	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C236	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C237	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C238	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C239	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C240	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C241	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C242	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C243	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C244	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C245	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C246	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C247	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C248	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C249	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C250	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C251	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C252	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C253	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C254	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C255	1-117-370-11	CERAMIC CHIP	10uF		10V
C256	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C257	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C258	1-117-370-11	CERAMIC CHIP	10uF		10V
C259	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C260	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C261	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C262	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C263	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C264	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C265	1-117-370-11	CERAMIC CHIP	10uF		10V
C266	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C267	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C268	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C269	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C270	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C271	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C272	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C274	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C275	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C276	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C277	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C278	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C279	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C280	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C281	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C282	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C283	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C284	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C285	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C286	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C287	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C290	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C291	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C302	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C303	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C304	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C305	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C306	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C307	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V

Ref. No.	Part No.	Description			Remark
C308	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C309	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C321	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C322	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C323	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C324	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C325	1-126-209-11	ELECT CHIP	100uF	20%	4V
C326	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C392	1-126-395-11	ELECT CHIP	22uF	20%	16V
C393	1-164-947-11	CERAMIC CHIP	0.01uF		50V
C394	1-126-246-11	ELECT CHIP	220uF	20%	4V
C501	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C502	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C503	1-127-772-81	CERAMIC CHIP	33000PF	10%	10V
C504	1-127-772-81	CERAMIC CHIP	33000PF	10%	10V
C506	1-164-934-11	CERAMIC CHIP	330PF	10%	50V
C507	1-117-370-11	CERAMIC CHIP	10uF		10V
C508	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C509	1-164-934-11	CERAMIC CHIP	330PF	10%	50V
C510	1-164-937-11	CERAMIC CHIP	0.001uF	10%	50V
C511	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C512	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C513	1-117-370-11	CERAMIC CHIP	10uF		10V
C514	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C515	1-164-933-11	CERAMIC CHIP	220PF	10%	50V
C516	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C517	1-117-370-11	CERAMIC CHIP	10uF		10V
C518	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C519	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C521	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C522	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C523	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C524	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C525	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C526	1-126-395-11	ELECT CHIP	22uF	20%	16V
C527	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C528	1-126-395-11	ELECT CHIP	22uF	20%	16V
C529	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C530	1-117-370-11	CERAMIC CHIP	10uF		10V
C531	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C532	1-117-370-11	CERAMIC CHIP	10uF		10V
C533	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C534	1-107-819-11	CERAMIC CHIP	0.022uF	10%	16V
C535	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C540	1-117-370-11	CERAMIC CHIP	10uF		10V
C543	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C544	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C545	1-117-370-11	CERAMIC CHIP	10uF		10V
C547	1-107-725-11	CERAMIC CHIP	0.1uF	10%	16V
C548	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C551	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C552	1-216-295-91	SHORT CHIP	0		
C553	1-164-940-11	CERAMIC CHIP	0.0033uF	10%	16V
C556	1-117-370-11	CERAMIC CHIP	10uF		10V
C558	1-126-209-11	ELECT CHIP	100uF	20%	4V
C559	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C560	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C561	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C563	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C565	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C567	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C568	1-117-370-11	CERAMIC CHIP	10uF		10V
C569	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C570	1-117-370-11	CERAMIC CHIP	10uF		10V
C573	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C588	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C589	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C590	1-164-939-11	CERAMIC CHIP	0.0022uF	10%	50V
C592	1-124-779-00	ELECT CHIP	10uF	20%	16V
C701	1-126-209-11	ELECT CHIP	100uF	20%	4V
C702	1-117-370-11	CERAMIC CHIP	10uF		10V
C703	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C705	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C706	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C708	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C709	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C711	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C712	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C713	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C714	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C715	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C716	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C717	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C718	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C720	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C721	1-107-820-11	CERAMIC CHIP	0.1uF		16V
C722	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C723	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C724	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C725	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C726	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C727	1-117-370-11	CERAMIC CHIP	10uF		10V
C728	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C729	1-117-370-11	CERAMIC CHIP	10uF		10V
C730	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C733	1-117-370-11	CERAMIC CHIP	10uF		10V
C734	1-117-370-11	CERAMIC CHIP	10uF		10V
C740	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C741	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C742	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C743	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C744	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C745	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C752	1-125-777-11	CERAMIC CHIP	0.1uF	10%	10V
C760	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C761	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C762	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C763	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C764	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C765	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C766	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C767	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C768	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C769	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C770	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V

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Ref. No.	Part No.	Description			Remark
C771	1-119-923-11	CERAMIC CHIP	0.047uF	10%	10V
C772	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C773	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C774	1-164-941-11	CERAMIC CHIP	0.0047uF	10%	16V
C775	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C776	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C777	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C778	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C779	1-117-370-11	CERAMIC CHIP	10uF		10V
C780	1-117-370-11	CERAMIC CHIP	10uF		10V
C781	1-165-643-21	ELECT CHIP	150uF	20%	4V
C782	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C783	1-164-938-11	CERAMIC CHIP	0.0015uF	10%	50V
C800	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C802	1-117-370-11	CERAMIC CHIP	10uF		10V
C803	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C804	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C807	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C808	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C809	1-117-370-11	CERAMIC CHIP	10uF		10V
C810	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C815	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C817	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C818	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C819	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C820	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C821	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C822	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C823	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C824	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C825	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C837	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C838	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C839	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C840	1-117-370-11	CERAMIC CHIP	10uF		10V
C841	1-117-370-11	CERAMIC CHIP	10uF		10V
C842	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C843	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C845	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C846	1-126-209-11	ELECT CHIP	100uF	20%	4V
C847	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C848	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C849	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C850	1-126-209-11	ELECT CHIP	100uF	20%	4V
C854	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C855	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C856	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C857	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C858	1-126-209-11	ELECT CHIP	100uF	20%	4V
C860	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C861	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C863	1-218-990-11	SHORT CHIP	0		
C865	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C866	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C867	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C870	1-127-772-81	CERAMIC CHIP	33000PF	10%	10V
C871	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C895	1-117-370-11	CERAMIC CHIP	10uF		10V
C896	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C897	1-126-209-11	ELECT CHIP	100uF	20%	4V
C901	1-126-209-11	ELECT CHIP	100uF	20%	4V
C902	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C903	1-126-209-11	ELECT CHIP	100uF	20%	4V
C904	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C905	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C906	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C907	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C908	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C909	1-164-874-11	CERAMIC CHIP	100PF	5%	50V
C910	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C913	1-127-772-81	CERAMIC CHIP	33000PF	10%	10V
C914	1-164-849-11	CERAMIC CHIP	9PF	0.5PF	50V
C915	1-164-847-11	CERAMIC CHIP	7PF	0.5PF	50V
C916	1-126-209-11	ELECT CHIP	100uF	20%	4V
C917	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C918	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C924	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C925	1-126-395-11	ELECT CHIP	22uF	20%	16V
C926	1-126-246-11	ELECT CHIP	220uF	20%	4V
C927	1-164-943-11	CERAMIC CHIP	0.01uF	10%	16V
C928	1-117-370-11	CERAMIC CHIP	10uF		10V
C1302	1-107-820-11	CERAMIC CHIP	0.1uF		16V
		< CONNECTOR >			
CN101	1-784-368-11	CONNECTOR, FFC/FPC 9P			
CN102	1-815-954-21	PIN, CONNECTOR (PC BOARD) 13P			
CN105	1-784-376-11	CONNECTOR, FFC/FPC 17P			
CN107	1-784-382-21	CONNECTOR, FFC/FPC 25P			
CN202	1-784-364-21	CONNECTOR, FFC/FPC 4P			
CN501	1-778-957-11	CONNECTOR, FFC/FPC 29P			
CN901	1-764-177-11	PIN, CONNECTOR (SMD) (1.5MM) 7P			
		< DIODE >			
D202	8-719-988-61	DIODE 1SS355TE-17			
D392	8-719-988-61	DIODE 1SS355TE-17			
D393	8-719-988-61	DIODE 1SS355TE-17			
D394	8-719-988-61	DIODE 1SS355TE-17			
D500	8-719-988-61	DIODE 1SS355TE-17			
D901	8-719-988-61	DIODE 1SS355TE-17			
D1303	8-719-988-61	DIODE 1SS355TE-17			
D1304	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB105	1-469-324-21	FERRITE, EMI (SMD) (2012)			
FB901	1-500-284-21	INDUCTOR, FERRITE BEAD			
FB902	1-500-284-21	INDUCTOR, FERRITE BEAD			
FB903	1-500-284-21	INDUCTOR, FERRITE BEAD			
		< FILTER >			
FL101	1-234-177-21	FILTER, CHIP EMI			
FL203	1-234-177-21	FILTER, CHIP EMI			
FL204	1-234-177-21	FILTER, CHIP EMI			
FL205	1-234-177-21	FILTER, CHIP EMI			
FL206	1-234-177-21	FILTER, CHIP EMI			
FL302	1-234-177-21	FILTER, CHIP EMI			

Ref. No.	Part No.	Description	Remark
FL303	1-234-177-21	FILTER, CHIP EMI	
FL501	1-234-177-21	FILTER, CHIP EMI	
FL502	1-234-177-21	FILTER, CHIP EMI	
FL701	1-234-177-21	FILTER, CHIP EMI	
FL702	1-234-177-21	FILTER, CHIP EMI	
FL703	1-234-177-21	FILTER, CHIP EMI	
FL705	1-234-177-21	FILTER, CHIP EMI	
FL706	1-234-177-21	FILTER, CHIP EMI	
FL807	1-234-177-21	FILTER, CHIP EMI	
FL810	1-234-177-21	FILTER, CHIP EMI	
FL811	1-234-177-21	FILTER, CHIP EMI	
FL812	1-234-177-21	FILTER, CHIP EMI	
FL813	1-234-177-21	FILTER, CHIP EMI	
FL814	1-234-177-21	FILTER, CHIP EMI	
FL816	1-234-177-21	FILTER, CHIP EMI	
FL901	1-234-177-21	FILTER, CHIP EMI	
FL903	1-234-177-21	FILTER, CHIP EMI	
FL908	1-234-177-21	FILTER, CHIP EMI	
		< IC/TRANSISTOR >	
IC111	6-550-554-01	TRANSISTOR UM6K1NL02TN	
IC203	6-704-069-01	IC MT48LC4M32B2P-6-Y15W	
* IC204	6-703-671-01	IC BR9040F-WE2	
IC205	6-804-554-01	IC MBM29PL32BM90TN-LF0401	
			(US, CND, AEP, UK, RU)
IC205	6-805-579-01	IC MBM29PL32BM90TN-LF0501	
			(TW, SP, AUS, KR, MX, EA, HK, E41)
IC207	6-703-540-01	IC ZIVA5X-C1F	
IC211	6-700-398-01	IC uPC2918T-E1	
IC231	8-759-549-21	IC SN74LV573APWR	
IC232	8-759-549-21	IC SN74LV573APWR	
IC233	8-759-549-21	IC SN74LV573APWR	
IC256	8-759-549-21	IC SN74LV573APWR	
IC257	8-759-680-48	IC TC7WH157FK (TE85R)	
IC258	8-759-549-21	IC SN74LV573APWR	
IC259	8-759-549-21	IC SN74LV573APWR	
IC302	6-703-787-01	IC PCM1609KPTR	
IC392	6-705-468-01	IC BA33BC0FP-E2	
IC501	6-702-157-01	IC FAN8035L	
IC502	8-759-583-47	IC uPC2933T-E2	
IC503	8-759-058-43	IC NJM3404AV	
IC509	8-752-408-73	IC CXD3068Q	
IC701	6-703-552-01	IC TMC57929PGF-RDP	
IC703	8-759-058-43	IC NJM3404AV	
IC706	8-759-564-30	IC MSM51V18165B-60TSKR1	
IC801	8-752-416-77	IC CXD2753R	
IC802	6-703-372-01	IC CXD9742Q	
IC803	6-700-394-01	IC BA25BC0FP-E2	
IC808	6-703-791-01	IC MSM56V16160F-8T3FM1	
IC901	8-753-228-87	IC CXP973064-245R	
IC902	8-759-649-48	IC SN74AHC1G32DCKR	
IC903	6-704-004-01	IC BR24L16F-WE2	
IC904	6-704-753-01	IC SN74AHC2G74HDCUR	
IC906	6-700-407-01	IC SM8707GV-G-E2	
IC907	8-759-583-47	IC uPC2933T-E2	
		< JUMPER RESISTOR >	
JW392	1-216-864-11	SHORT CHIP 0	

Ref. No.	Part No.	Description			Remark
		< COIL/RESISTOR >			
L103	1-216-296-11	SHORT CHIP	0		
L501	1-216-296-11	SHORT CHIP	0		
L704	1-412-031-11	INDUCTOR	47uH		
L824	1-410-985-42	INDUCTOR	0.22uH		
L901	1-412-031-11	INDUCTOR	47uH		
		< TRANSISTOR >			
Q201	8-729-929-26	TRANSISTOR	DTC114TE		
Q202	8-729-929-26	TRANSISTOR	DTC114TE		
Q901	8-729-929-26	TRANSISTOR	DTC114TE		
		< RESISTOR >			
R10	1-216-801-11	METAL CHIP	22	5%	1/10W
R11	1-216-801-11	METAL CHIP	22	5%	1/10W
R12	1-216-801-11	METAL CHIP	22	5%	1/10W
R13	1-216-801-11	METAL CHIP	22	5%	1/10W
R14	1-216-801-11	METAL CHIP	22	5%	1/10W
R15	1-216-801-11	METAL CHIP	22	5%	1/10W
R16	1-216-805-11	METAL CHIP	47	5%	1/10W
R197	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R198	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R202	1-216-841-11	METAL CHIP	47K	5%	1/10W
R213	1-218-939-11	RES-CHIP	68	5%	1/16W
R215	1-216-864-11	SHORT CHIP	0		
R217	1-216-864-11	SHORT CHIP	0		
R219	1-216-864-11	SHORT CHIP	0		
R220	1-216-864-11	SHORT CHIP	0		
R221	1-216-864-11	SHORT CHIP	0		
R222	1-216-864-11	SHORT CHIP	0		
R227	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R230	1-216-803-11	METAL CHIP	33	5%	1/10W
R231	1-216-803-11	METAL CHIP	33	5%	1/10W
R232	1-216-803-11	METAL CHIP	33	5%	1/10W
R234	1-216-833-11	METAL CHIP	10K	5%	1/10W
R240	1-216-841-11	METAL CHIP	47K	5%	1/10W
R241	1-216-864-11	SHORT CHIP	0		
R244	1-216-821-11	METAL CHIP	1K	5%	1/10W
R245	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R246	1-216-833-11	METAL CHIP	10K	5%	1/10W
R247	1-216-821-11	METAL CHIP	1K	5%	1/10W
R248	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R250	1-216-864-11	SHORT CHIP	0		
R251	1-216-864-11	SHORT CHIP	0		
R253	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R254	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R255	1-216-864-11	SHORT CHIP	0		
R257	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R259	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R260	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R261	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R263	1-218-285-11	METAL CHIP	75	5%	1/10W
R264	1-218-285-11	METAL CHIP	75	5%	1/10W
R265	1-218-285-11	METAL CHIP	75	5%	1/10W
R266	1-218-285-11	METAL CHIP	75	5%	1/10W
R267	1-218-285-11	METAL CHIP	75	5%	1/10W
R268	1-216-803-11	METAL CHIP	33	5%	1/10W
R269	1-216-864-11	SHORT CHIP	0		

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Ref. No.	Part No.	Description			Remark
R271	1-216-809-11	METAL CHIP	100	5%	1/10W
R272	1-216-809-11	METAL CHIP	100	5%	1/10W
R273	1-216-864-11	SHORT CHIP	0		
R274	1-216-864-11	SHORT CHIP	0		
R275	1-216-864-11	SHORT CHIP	0		
R276	1-216-864-11	SHORT CHIP	0		
R277	1-216-864-11	SHORT CHIP	0		
R278	1-218-285-11	METAL CHIP	75	5%	1/10W
R279	1-218-285-11	METAL CHIP	75	5%	1/10W
R280	1-218-285-11	METAL CHIP	75	5%	1/10W
R281	1-218-285-11	METAL CHIP	75	5%	1/10W
R282	1-218-285-11	METAL CHIP	75	5%	1/10W
R283	1-218-847-11	METAL CHIP	1K	0.5%	1/10W
R284	1-218-829-11	METAL CHIP	180	0.5%	1/10W
R290	1-216-809-11	METAL CHIP	100	5%	1/10W
R291	1-216-809-11	METAL CHIP	100	5%	1/10W
R292	1-216-809-11	METAL CHIP	100	5%	1/10W
R293	1-216-864-11	SHORT CHIP	0		
R294	1-216-864-11	SHORT CHIP	0		
R296	1-216-864-11	SHORT CHIP	0		
R299	1-216-820-11	METAL CHIP	820	5%	1/10W
R301	1-216-821-11	METAL CHIP	1K	5%	1/10W
R302	1-216-813-11	METAL CHIP	220	5%	1/10W
R303	1-216-813-11	METAL CHIP	220	5%	1/10W
R304	1-216-813-11	METAL CHIP	220	5%	1/10W
R305	1-216-813-11	METAL CHIP	220	5%	1/10W
R306	1-216-813-11	METAL CHIP	220	5%	1/10W
R307	1-216-813-11	METAL CHIP	220	5%	1/10W
R308	1-216-813-11	METAL CHIP	220	5%	1/10W
R309	1-216-813-11	METAL CHIP	220	5%	1/10W
R310	1-216-809-11	METAL CHIP	100	5%	1/10W
R311	1-216-809-11	METAL CHIP	100	5%	1/10W
R312	1-216-809-11	METAL CHIP	100	5%	1/10W
R313	1-216-833-11	METAL CHIP	10K	5%	1/10W
R314	1-216-801-11	METAL CHIP	22	5%	1/10W
R368	1-216-864-11	SHORT CHIP	0		
R369	1-216-864-11	SHORT CHIP	0		
R392	1-216-797-11	METAL CHIP	10	5%	1/10W
R503	1-216-841-11	METAL CHIP	47K	5%	1/10W
R504	1-216-841-11	METAL CHIP	47K	5%	1/10W
R505	1-216-841-11	METAL CHIP	47K	5%	1/10W
R506	1-216-841-11	METAL CHIP	47K	5%	1/10W
R510	1-216-847-11	METAL CHIP	150K	5%	1/10W
R511	1-216-847-11	METAL CHIP	150K	5%	1/10W
R512	1-216-842-11	METAL CHIP	56K	5%	1/10W
R513	1-216-842-11	METAL CHIP	56K	5%	1/10W
R514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R515	1-216-833-11	METAL CHIP	10K	5%	1/10W
R516	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R517	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R519	1-216-845-11	METAL CHIP	100K	5%	1/10W
R520	1-216-833-11	METAL CHIP	10K	5%	1/10W
R521	1-216-845-11	METAL CHIP	100K	5%	1/10W
R522	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R523	1-216-833-11	METAL CHIP	10K	5%	1/10W
R524	1-216-833-11	METAL CHIP	10K	5%	1/10W
R525	1-216-833-11	METAL CHIP	10K	5%	1/10W
R527	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R529	1-216-839-11	METAL CHIP	33K	5%	1/10W
R530	1-216-842-11	METAL CHIP	56K	5%	1/10W
R533	1-216-839-11	METAL CHIP	33K	5%	1/10W
R534	1-216-842-11	METAL CHIP	56K	5%	1/10W
R536	1-216-833-11	METAL CHIP	10K	5%	1/10W
R537	1-216-843-11	METAL CHIP	68K	5%	1/10W
R545	1-216-833-11	METAL CHIP	10K	5%	1/10W
R548	1-216-833-11	METAL CHIP	10K	5%	1/10W
R550	1-216-821-11	METAL CHIP	1K	5%	1/10W
R551	1-216-821-11	METAL CHIP	1K	5%	1/10W
R552	1-216-821-11	METAL CHIP	1K	5%	1/10W
R555	1-216-864-11	SHORT CHIP	0		
R558	1-216-841-11	METAL CHIP	47K	5%	1/10W
R559	1-216-821-11	METAL CHIP	1K	5%	1/10W
R560	1-216-821-11	METAL CHIP	1K	5%	1/10W
R561	1-216-821-11	METAL CHIP	1K	5%	1/10W
R562	1-216-821-11	METAL CHIP	1K	5%	1/10W
R563	1-216-821-11	METAL CHIP	1K	5%	1/10W
R564	1-216-821-11	METAL CHIP	1K	5%	1/10W
R565	1-216-821-11	METAL CHIP	1K	5%	1/10W
R566	1-216-833-11	METAL CHIP	10K	5%	1/10W
R567	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R568	1-216-857-11	METAL CHIP	1M	5%	1/10W
R571	1-216-857-11	METAL CHIP	1M	5%	1/10W
R572	1-216-853-11	METAL CHIP	470K	5%	1/10W
R573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R576	1-216-864-11	SHORT CHIP	0		
R579	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R580	1-216-839-11	METAL CHIP	33K	5%	1/10W
R581	1-216-834-11	METAL CHIP	12K	5%	1/10W
R583	1-216-864-11	SHORT CHIP	0		
R584	1-216-839-11	METAL CHIP	33K	5%	1/10W
R586	1-218-747-11	METAL CHIP	200K	0.5%	1/10W
R587	1-216-864-11	SHORT CHIP	0		
R588	1-216-833-11	METAL CHIP	10K	5%	1/10W
R589	1-216-833-11	METAL CHIP	10K	5%	1/10W
R591	1-216-864-11	SHORT CHIP	0		
R593	1-216-845-11	METAL CHIP	100K	5%	1/10W
R599	1-216-821-11	METAL CHIP	1K	5%	1/10W
R601	1-216-864-11	SHORT CHIP	0		
R629	1-216-864-11	SHORT CHIP	0		
R694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R698	1-216-864-11	SHORT CHIP	0		
R699	1-216-864-11	SHORT CHIP	0		
R700	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R707	1-216-809-11	METAL CHIP	100	5%	1/10W
R708	1-216-853-11	METAL CHIP	470K	5%	1/10W
R709	1-216-847-11	METAL CHIP	150K	5%	1/10W
R710	1-216-833-11	METAL CHIP	10K	5%	1/10W
R711	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R712	1-216-833-11	METAL CHIP	10K	5%	1/10W
R713	1-216-833-11	METAL CHIP	10K	5%	1/10W
R714	1-216-833-11	METAL CHIP	10K	5%	1/10W
R715	1-216-833-11	METAL CHIP	10K	5%	1/10W
R716	1-216-809-11	METAL CHIP	100	5%	1/10W
R717	1-216-845-11	METAL CHIP	100K	5%	1/10W
R718	1-216-833-11	METAL CHIP	10K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R719	1-216-821-11	METAL CHIP	1K	5%	1/10W
R720	1-216-821-11	METAL CHIP	1K	5%	1/10W
R721	1-216-839-11	METAL CHIP	33K	5%	1/10W
R724	1-216-821-11	METAL CHIP	1K	5%	1/10W
R725	1-216-824-11	METAL CHIP	1.8K	5%	1/10W
R726	1-216-845-11	METAL CHIP	100K	5%	1/10W
R727	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R728	1-216-833-11	METAL CHIP	10K	5%	1/10W
R730	1-216-801-11	METAL CHIP	22	5%	1/10W
R731	1-216-801-11	METAL CHIP	22	5%	1/10W
R732	1-216-833-11	METAL CHIP	10K	5%	1/10W
R733	1-216-833-11	METAL CHIP	10K	5%	1/10W
R734	1-216-833-11	METAL CHIP	10K	5%	1/10W
R735	1-216-833-11	METAL CHIP	10K	5%	1/10W
R736	1-216-833-11	METAL CHIP	10K	5%	1/10W
R737	1-216-833-11	METAL CHIP	10K	5%	1/10W
R738	1-216-833-11	METAL CHIP	10K	5%	1/10W
R741	1-216-801-11	METAL CHIP	22	5%	1/10W
R742	1-216-801-11	METAL CHIP	22	5%	1/10W
R743	1-216-801-11	METAL CHIP	22	5%	1/10W
R744	1-216-801-11	METAL CHIP	22	5%	1/10W
R745	1-216-841-11	METAL CHIP	47K	5%	1/10W
R746	1-216-841-11	METAL CHIP	47K	5%	1/10W
R747	1-216-839-11	METAL CHIP	33K	5%	1/10W
R748	1-216-839-11	METAL CHIP	33K	5%	1/10W
R750	1-216-833-11	METAL CHIP	10K	5%	1/10W
R751	1-216-864-11	SHORT CHIP	0		
R758	1-216-864-11	SHORT CHIP	0		
R760	1-216-864-11	SHORT CHIP	0		
R762	1-216-837-11	METAL CHIP	22K	5%	1/10W
R763	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R764	1-216-857-11	METAL CHIP	1M	5%	1/10W
R765	1-216-837-11	METAL CHIP	22K	5%	1/10W
R767	1-216-841-11	METAL CHIP	47K	5%	1/10W
R769	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R772	1-216-801-11	METAL CHIP	22	5%	1/10W
R776	1-216-864-11	SHORT CHIP	0		
R777	1-216-864-11	SHORT CHIP	0		
R778	1-216-845-11	METAL CHIP	100K	5%	1/10W
R785	1-216-833-11	METAL CHIP	10K	5%	1/10W
R786	1-216-845-11	METAL CHIP	100K	5%	1/10W
R787	1-216-845-11	METAL CHIP	100K	5%	1/10W
R788	1-216-845-11	METAL CHIP	100K	5%	1/10W
R789	1-216-845-11	METAL CHIP	100K	5%	1/10W
R799	1-216-864-11	SHORT CHIP	0		
R800	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R803	1-216-864-11	SHORT CHIP	0		
R804	1-216-864-11	SHORT CHIP	0		
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R808	1-216-833-11	METAL CHIP	10K	5%	1/10W
R811	1-216-864-11	SHORT CHIP	0		
R813	1-216-864-11	SHORT CHIP	0		
R821	1-216-801-11	METAL CHIP	22	5%	1/10W
R822	1-216-801-11	METAL CHIP	22	5%	1/10W
R824	1-216-025-11	RES-CHIP	100	5%	1/10W
R825	1-216-295-91	SHORT CHIP	0		
R826	1-216-801-11	METAL CHIP	22	5%	1/10W
R827	1-216-809-11	METAL CHIP	100	5%	1/10W
R828	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R829	1-216-809-11	METAL CHIP	100	5%	1/10W
R830	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R831	1-216-839-11	METAL CHIP	33K	5%	1/10W
R832	1-216-864-11	SHORT CHIP	0		
R839	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R842	1-216-833-11	METAL CHIP	10K	5%	1/10W
R847	1-216-864-11	SHORT CHIP	0		
R848	1-216-801-11	METAL CHIP	22	5%	1/10W
R849	1-216-801-11	METAL CHIP	22	5%	1/10W
R850	1-216-801-11	METAL CHIP	22	5%	1/10W
R853	1-216-864-11	SHORT CHIP	0		
R854	1-216-864-11	SHORT CHIP	0		
R858	1-216-864-11	SHORT CHIP	0		
R869	1-216-864-11	SHORT CHIP	0		
R870	1-216-833-11	METAL CHIP	10K	5%	1/10W
R871	1-216-864-11	SHORT CHIP	0		
R874	1-216-809-11	METAL CHIP	100	5%	1/10W
R877	1-216-801-11	METAL CHIP	22	5%	1/10W
R882	1-216-833-11	METAL CHIP	10K	5%	1/10W
R883	1-216-833-11	METAL CHIP	10K	5%	1/10W
R884	1-216-833-11	METAL CHIP	10K	5%	1/10W
R885	1-216-833-11	METAL CHIP	10K	5%	1/10W
R886	1-216-833-11	METAL CHIP	10K	5%	1/10W
R887	1-216-833-11	METAL CHIP	10K	5%	1/10W
R888	1-216-833-11	METAL CHIP	10K	5%	1/10W
R889	1-216-833-11	METAL CHIP	10K	5%	1/10W
R901	1-216-801-11	METAL CHIP	22	5%	1/10W
R902	1-216-801-11	METAL CHIP	22	5%	1/10W
R903	1-216-801-11	METAL CHIP	22	5%	1/10W
R904	1-216-833-11	METAL CHIP	10K	5%	1/10W
R905	1-216-801-11	METAL CHIP	22	5%	1/10W
R906	1-216-801-11	METAL CHIP	22	5%	1/10W
R907	1-216-801-11	METAL CHIP	22	5%	1/10W
R908	1-216-833-11	METAL CHIP	10K	5%	1/10W
R911	1-216-833-11	METAL CHIP	10K	5%	1/10W
R912	1-216-833-11	METAL CHIP	10K	5%	1/10W
R913	1-216-833-11	METAL CHIP	10K	5%	1/10W
R915	1-216-809-11	METAL CHIP	100	5%	1/10W
R916	1-216-821-11	METAL CHIP	1K	5%	1/10W
R917	1-216-821-11	METAL CHIP	1K	5%	1/10W
R918	1-216-801-11	METAL CHIP	22	5%	1/10W
R920	1-216-809-11	METAL CHIP	100	5%	1/10W
R921	1-216-809-11	METAL CHIP	100	5%	1/10W
R922	1-216-801-11	METAL CHIP	22	5%	1/10W
R923	1-216-813-11	METAL CHIP	220	5%	1/10W
R925	1-216-809-11	METAL CHIP	100	5%	1/10W
R926	1-216-809-11	METAL CHIP	100	5%	1/10W
R927	1-216-857-11	METAL CHIP	1M	5%	1/10W
R928	1-216-809-11	METAL CHIP	100	5%	1/10W
R929	1-216-809-11	METAL CHIP	100	5%	1/10W
R930	1-216-809-11	METAL CHIP	100	5%	1/10W
R931	1-216-801-11	METAL CHIP	22	5%	1/10W
R932	1-216-801-11	METAL CHIP	22	5%	1/10W
R933	1-216-801-11	METAL CHIP	22	5%	1/10W
R934	1-216-801-11	METAL CHIP	22	5%	1/10W

DMB07 DRIVER DVD-POW

Ref. No.	Part No.	Description			Remark
R935	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R936	1-216-809-11	METAL CHIP	100	5%	1/10W
R938	1-216-833-11	METAL CHIP	10K	5%	1/10W
R940	1-216-809-11	METAL CHIP	100	5%	1/10W
R942	1-216-809-11	METAL CHIP	100	5%	1/10W
R943	1-216-809-11	METAL CHIP	100	5%	1/10W
R958	1-216-801-11	METAL CHIP	22	5%	1/10W
R962	1-216-833-11	METAL CHIP	10K	5%	1/10W
R963	1-216-833-11	METAL CHIP	10K	5%	1/10W
R970	1-216-864-11	SHORT CHIP	0		
R974	1-216-864-11	SHORT CHIP	0		
R975	1-216-833-11	METAL CHIP	10K	5%	1/10W
R978	1-216-833-11	METAL CHIP	10K	5%	1/10W
R984	1-216-833-11	METAL CHIP	10K	5%	1/10W
R988	1-216-864-11	SHORT CHIP	0		
R990	1-216-864-11	SHORT CHIP	0		
R994	1-216-864-11	SHORT CHIP	0		
R995	1-216-864-11	SHORT CHIP	0		
R996	1-216-864-11	SHORT CHIP	0		
R997	1-216-864-11	SHORT CHIP	0		
R998	1-216-864-11	SHORT CHIP	0		
R1000	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1302	1-216-864-11	SHORT CHIP	0		
R9980	1-216-864-11	SHORT CHIP	0		
R9981	1-216-864-11	SHORT CHIP	0		
R9982	1-216-864-11	SHORT CHIP	0		
R9983	1-216-864-11	SHORT CHIP	0		
R9984	1-216-864-11	SHORT CHIP	0		
R9985	1-216-864-11	SHORT CHIP	0		
R9990	1-216-801-11	METAL CHIP	22	5%	1/10W
R9998	1-216-864-11	SHORT CHIP	0		
R9999	1-216-864-11	SHORT CHIP	0		
		< VIBRATOR >			
X901	1-781-945-21	VIBRATOR, CERAMIC (20MHz)			
X902	1-795-630-11	VIBRATOR, CRYSTAL (27MHz)			
**********					
	1-688-337-11	DRIVER BOARD			
		**********			
		< CAPACITOR >			
C705	1-162-306-11	CERAMIC	0.01uF	20%	16V
C711	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
CN701	1-785-333-11	PIN, CONNECTOR (LIGHT ANGLE) 7P			
		< DIODE >			
D701	8-719-921-40	DIODE MTZJ-4.7C			
		< IC >			
IC701	8-759-598-69	IC BA6956AN			
		< RESISTOR >			
R701	1-249-415-11	CARBON	680	5%	1/4W
R702	1-247-807-31	CARBON	100	5%	1/4W

Ref. No.	Part No.	Description			Remark
		< SWITCH >			
S701	1-762-951-13	SWITCH, PUSH (CHUCKING)			
S702	1-762-951-13	SWITCH, PUSH (DISC IN/OUT)			
S703	1-762-951-13	SWITCH, PUSH (TRIGGER)			
**********					
	A-1065-357-A	DVD-POW BOARD, COMPLETE (AEP, UK)			
	A-1065-831-A	DVD-POW BOARD, COMPLETE (US, CND)			
	A-1065-870-A	DVD-POW BOARD, COMPLETE (SP, HK, KR, TW)			
	A-1073-690-A	DVD-POW BOARD, COMPLETE (RU)			
	A-1082-495-A	DVD-POW BOARD, COMPLETE (EA)			
	A-1082-558-A	DVD-POW BOARD, COMPLETE (MX, E41)			
	A-1105-773-A	DVD-POW BOARD, COMPLETE (AUS)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C300	1-104-905-11	CAPACITOR	0.22F		5.5V
C301	1-117-681-11	ELECT CHIP	100uF	20%	16V
C302	1-117-681-11	ELECT CHIP	100uF	20%	16V
C303	1-117-681-11	ELECT CHIP	100uF	20%	16V
C304	1-124-779-00	ELECT CHIP	10uF	20%	16V
C305	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C306	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C307	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C308	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C309	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C310	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C311	1-124-779-00	ELECT CHIP	10uF	20%	16V
C312	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C313	1-124-779-00	ELECT CHIP	10uF	20%	16V
C314	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C315	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C316	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C317	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C318	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C342	1-115-340-11	CERAMIC CHIP	0.22uF	10%	25V
C902	1-128-950-21	ELECT	1000uF	20%	16V
C903	1-128-950-21	ELECT	1000uF	20%	16V
C904	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C906	1-126-933-11	ELECT	100uF	20%	16V
C907	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C910	1-117-681-11	ELECT CHIP	100uF	20%	16V
C911	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C912	1-128-950-21	ELECT	1000uF	20%	16V
C913	1-128-950-21	ELECT	1000uF	20%	16V
C914	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C916	1-126-933-11	ELECT	100uF	20%	16V
C917	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C918	1-128-950-21	ELECT	1000uF	20%	16V
C919	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C922	1-128-950-21	ELECT	1000uF	20%	16V
C923	1-128-950-21	ELECT	1000uF	20%	16V
C924	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C927	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C928	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C929	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V

Ref. No.	Part No.	Description			Remark
C930	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C931	1-128-993-21	ELECT CHIP	22uF	20%	10V
C932	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C933	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C934	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C935	1-128-993-21	ELECT CHIP	22uF	20%	10V
		< CONNECTOR >			
CN300	1-784-860-21	CONNECTOR, FFC (LIF (NON-ZIF)) 8P			
CN301	1-778-795-21	PIN, CONNECTOR (PC BOARD) 9P			
CN302	1-770-629-21	PIN, CONNECTOR 12P			
CN303	1-784-864-21	CONNECTOR, FFC (LIF (NON-ZIF)) 12P			
CN304	1-784-870-21	CONNECTOR, FFC (LIF (NON-ZIF)) 18P			
CN305	1-784-687-41	PIN, CONNECTOR (PC BOARD) 7P			
CN901	1-774-863-11	PIN, CONNECTOR (PC BOARD) 8P			
* CN902	1-764-250-11	PIN, CONNECTOR (PC BOARD) 4P			
CN910	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
		< DIODE >			
D301	8-719-081-97	DIODE MMDL914T1			
D302	8-719-081-97	DIODE MMDL914T1			
D303	8-719-081-97	DIODE MMDL914T1			
D311	8-719-081-97	DIODE MMDL914T1			
D312	8-719-081-97	DIODE MMDL914T1			
D313	8-719-081-97	DIODE MMDL914T1			
D314	8-719-081-97	DIODE MMDL914T1			
D315	8-719-081-97	DIODE MMDL914T1			
D316	8-719-081-97	DIODE MMDL914T1			
D901	8-719-085-36	DIODE 11EQS04-TB5			
D911	8-719-085-36	DIODE 11EQS04-TB5			
D921	8-719-085-36	DIODE 11EQS04-TB5			
D931	6-500-522-21	DIODE 10EDB40-TB3			
D961	6-500-522-21	DIODE 10EDB40-TB3			
		< EARTH TERMINAL >			
* EPT301	1-537-738-21	TERMINAL, EARTH			
* EPT302	1-537-738-21	TERMINAL, EARTH			
		< FERRITE BEAD/RESISTOR >			
FB301	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB302	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB303	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB304	1-400-180-21	INDUCTOR, EMI FERRITE (1608)			
FB305	1-216-864-11	SHORT CHIP	0		
FB306	1-216-864-11	SHORT CHIP	0		
FB307	1-216-864-11	SHORT CHIP	0		
FB308	1-216-864-11	SHORT CHIP	0		
FB309	1-216-864-11	SHORT CHIP	0		
FB310	1-216-864-11	SHORT CHIP	0		
FB311	1-216-864-11	SHORT CHIP	0		
FB312	1-216-864-11	SHORT CHIP	0		
FB313	1-216-864-11	SHORT CHIP	0		
FB314	1-216-864-11	SHORT CHIP	0		
FB315	1-216-864-11	SHORT CHIP	0		
FB316	1-216-864-11	SHORT CHIP	0		
FB317	1-216-864-11	SHORT CHIP	0		
FB318	1-216-864-11	SHORT CHIP	0		
FB319	1-216-864-11	SHORT CHIP	0		
FB320	1-216-864-11	SHORT CHIP	0		
FB321	1-216-864-11	SHORT CHIP	0		
FB322	1-216-864-11	SHORT CHIP	0		
FB323	1-216-864-11	SHORT CHIP	0		
FB324	1-216-864-11	SHORT CHIP	0		
FB325	1-216-864-11	SHORT CHIP	0		
FB326	1-216-864-11	SHORT CHIP	0		
FB327	1-216-864-11	SHORT CHIP	0		
FB328	1-216-864-11	SHORT CHIP	0		
FB329	1-216-864-11	SHORT CHIP	0		
FB330	1-216-864-11	SHORT CHIP	0		
FB331	1-216-864-11	SHORT CHIP	0		
FB332	1-216-864-11	SHORT CHIP	0		
FB333	1-216-864-11	SHORT CHIP	0		
FB334	1-216-864-11	SHORT CHIP	0		
FB335	1-216-864-11	SHORT CHIP	0		
FB336	1-216-864-11	SHORT CHIP	0		
FB337	1-216-864-11	SHORT CHIP	0		
FB338	1-216-864-11	SHORT CHIP	0		
FB339	1-216-864-11	SHORT CHIP	0		
FB340	1-216-864-11	SHORT CHIP	0		
FB341	1-216-864-11	SHORT CHIP	0		
FB342	1-216-864-11	SHORT CHIP	0		
FB343	1-216-864-11	SHORT CHIP	0		
FB344	1-216-864-11	SHORT CHIP	0		
FB345	1-216-864-11	SHORT CHIP	0		
FB346	1-216-864-11	SHORT CHIP	0		
FB347	1-216-864-11	SHORT CHIP	0		
FB348	1-216-864-11	SHORT CHIP	0		
FB351	1-216-864-11	SHORT CHIP	0		
FB352	1-216-864-11	SHORT CHIP	0		
FB353	1-216-864-11	SHORT CHIP	0		
FB354	1-216-864-11	SHORT CHIP	0		
FB355	1-216-864-11	SHORT CHIP	0		
FB356	1-216-864-11	SHORT CHIP	0		
FB357	1-216-864-11	SHORT CHIP	0		
FB360	1-216-864-11	SHORT CHIP	0		
		< FILTER >			
FL301	1-234-177-21	FILTER, CHIP EMI			
FL302	1-234-177-21	FILTER, CHIP EMI			
		< IC >			
IC301	6-804-632-01	IC uPD703033BYGF-M57-3BA-A			
IC302	6-706-758-01	IC SN74LVC3G34DCUR			
IC303	6-701-995-01	IC SN74LVCU04APWR			
IC901	6-701-021-01	IC SI-8120JF			
IC902	8-759-474-09	IC SI-8050S-LF1101			
IC903	8-759-659-28	IC SI-8033S			
IC904	8-759-473-95	IC uPC2905T-E1			
IC906	8-759-473-95	IC uPC2905T-E1			
		< JUMPER RESISTOR >			
JW901	1-216-864-11	SHORT CHIP	0		
JW902	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L901	1-456-467-11	INDUCTOR	100uH		

DVD-POW

Ref. No.	Part No.	Description			Remark
L902	1-414-741-11	INDUCTOR	10uH		
L911	1-456-513-11	INDUCTOR	150uH		
L912	1-414-741-11	INDUCTOR	10uH		
L921	1-456-513-11	INDUCTOR	150uH		
L922	1-414-741-11	INDUCTOR	10uH		
L925	1-410-389-31	INDUCTOR	47uH		
		< TRANSISTOR >			
Q301	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q302	8-729-421-22	TRANSISTOR	UN2211		
Q303	8-729-010-05	TRANSISTOR	MSB709-RT1		
Q304	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q305	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q306	8-729-421-22	TRANSISTOR	UN2211		
Q307	8-729-421-22	TRANSISTOR	UN2211		
Q308	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q309	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
Q901	8-729-421-19	TRANSISTOR	UN2213		
Q911	8-729-421-19	TRANSISTOR	UN2213		
Q921	8-729-421-19	TRANSISTOR	UN2213		
		< RESISTOR >			
R300	1-216-837-11	METAL CHIP	22K	5%	1/10W
R301	1-216-809-11	METAL CHIP	100	5%	1/10W
R303	1-216-837-11	METAL CHIP	22K	5%	1/10W
R304	1-216-809-11	METAL CHIP	100	5%	1/10W
R305	1-216-837-11	METAL CHIP	22K	5%	1/10W
R306	1-216-809-11	METAL CHIP	100	5%	1/10W
R307	1-216-809-11	METAL CHIP	100	5%	1/10W
R308	1-216-809-11	METAL CHIP	100	5%	1/10W
R309	1-216-809-11	METAL CHIP	100	5%	1/10W
R310	1-216-809-11	METAL CHIP	100	5%	1/10W
R311	1-216-809-11	METAL CHIP	100	5%	1/10W
R312	1-216-809-11	METAL CHIP	100	5%	1/10W
R313	1-216-809-11	METAL CHIP	100	5%	1/10W
R314	1-216-809-11	METAL CHIP	100	5%	1/10W
R315	1-216-809-11	METAL CHIP	100	5%	1/10W
R316	1-216-809-11	METAL CHIP	100	5%	1/10W
R317	1-216-864-11	SHORT CHIP	0		
R318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R319	1-216-833-11	METAL CHIP	10K	5%	1/10W
R321	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R322	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R323	1-216-809-11	METAL CHIP	100	5%	1/10W
R324	1-216-833-11	METAL CHIP	10K	5%	1/10W
R325	1-216-809-11	METAL CHIP	100	5%	1/10W
R326	1-216-809-11	METAL CHIP	100	5%	1/10W
R327	1-216-809-11	METAL CHIP	100	5%	1/10W
R328	1-216-809-11	METAL CHIP	100	5%	1/10W
R329	1-216-809-11	METAL CHIP	100	5%	1/10W
R330	1-216-809-11	METAL CHIP	100	5%	1/10W
R331	1-216-809-11	METAL CHIP	100	5%	1/10W
R332	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R333	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R334	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R335	1-216-809-11	METAL CHIP	100	5%	1/10W
R336	1-216-809-11	METAL CHIP	100	5%	1/10W
R337	1-216-833-11	METAL CHIP	10K	5%	1/10W
R338	1-216-809-11	METAL CHIP	100	5%	1/10W
R339	1-216-809-11	METAL CHIP	100	5%	1/10W
R340	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R341	1-216-821-11	METAL CHIP	1K	5%	1/10W
R342	1-216-833-11	METAL CHIP	10K	5%	1/10W
R343	1-216-833-11	METAL CHIP	10K	5%	1/10W
R344	1-216-833-11	METAL CHIP	10K	5%	1/10W
R346	1-216-864-11	SHORT CHIP	0		
R347	1-216-809-11	METAL CHIP	100	5%	1/10W
R348	1-216-809-11	METAL CHIP	100	5%	1/10W
R349	1-216-833-11	METAL CHIP	10K	5%	1/10W
R350	1-216-841-11	METAL CHIP	47K	5%	1/10W
R351	1-216-843-11	METAL CHIP	68K	5%	1/10W
R352	1-216-837-11	METAL CHIP	22K	5%	1/10W
R353	1-216-845-11	METAL CHIP	100K	5%	1/10W
R354	1-216-841-11	METAL CHIP	47K	5%	1/10W
R355	1-216-841-11	METAL CHIP	47K	5%	1/10W
R356	1-216-833-11	METAL CHIP	10K	5%	1/10W
R357	1-216-809-11	METAL CHIP	100	5%	1/10W
R358	1-216-809-11	METAL CHIP	100	5%	1/10W
R359	1-216-809-11	METAL CHIP	100	5%	1/10W
R360	1-216-809-11	METAL CHIP	100	5%	1/10W
R361	1-216-809-11	METAL CHIP	100	5%	1/10W
R362	1-216-809-11	METAL CHIP	100	5%	1/10W
R363	1-216-809-11	METAL CHIP	100	5%	1/10W
R364	1-216-809-11	METAL CHIP	100	5%	1/10W
R365	1-216-809-11	METAL CHIP	100	5%	1/10W
R366	1-216-809-11	METAL CHIP	100	5%	1/10W
R367	1-216-809-11	METAL CHIP	100	5%	1/10W
R368	1-216-809-11	METAL CHIP	100	5%	1/10W
R369	1-216-809-11	METAL CHIP	100	5%	1/10W
R370	1-216-821-11	METAL CHIP	1K	5%	1/10W (EA)
R370	1-216-823-11	METAL CHIP	1.5K	5%	1/10W (AUS)
R370	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (US, CND, RU, MX, E41)
R370	1-216-864-11	SHORT CHIP	0 (SP, HK, KR, TW)		
R371	1-216-811-11	METAL CHIP	150	5%	1/10W (RU)
R371	1-216-821-11	METAL CHIP	1K	5%	1/10W (MX, E41)
R371	1-216-825-11	METAL CHIP	2.2K	5%	1/10W (US, CND)
R371	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS, EA)
R372	1-216-809-11	METAL CHIP	100	5%	1/10W
R373	1-216-864-11	SHORT CHIP	0		
R374	1-216-809-11	METAL CHIP	100	5%	1/10W
R375	1-216-809-11	METAL CHIP	100	5%	1/10W
R376	1-216-841-11	METAL CHIP	47K	5%	1/10W
R377	1-216-833-11	METAL CHIP	10K	5%	1/10W
R378	1-216-864-11	SHORT CHIP	0		
R379	1-216-809-11	METAL CHIP	100	5%	1/10W
R380	1-216-809-11	METAL CHIP	100	5%	1/10W
R381	1-216-809-11	METAL CHIP	100	5%	1/10W
R382	1-216-809-11	METAL CHIP	100	5%	1/10W
R383	1-216-809-11	METAL CHIP	100	5%	1/10W
R384	1-216-809-11	METAL CHIP	100	5%	1/10W
R385	1-216-853-11	METAL CHIP	470K	5%	1/10W
R386	1-216-841-11	METAL CHIP	47K	5%	1/10W
R387	1-216-841-11	METAL CHIP	47K	5%	1/10W
R388	1-216-833-11	METAL CHIP	10K	5%	1/10W
R389	1-216-833-11	METAL CHIP	10K	5%	1/10W
R390	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

DVD-POW

Ref. No.	Part No.	Description			Remark
R391	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R392	1-216-833-11	METAL CHIP	10K	5%	1/10W
R393	1-216-833-11	METAL CHIP	10K	5%	1/10W
R394	1-216-833-11	METAL CHIP	10K	5%	1/10W
R395	1-216-847-11	METAL CHIP	150K	5%	1/10W
R398	1-216-864-11	SHORT CHIP	0		
R399	1-216-864-11	SHORT CHIP	0		
R901	1-216-864-11	SHORT CHIP	0		
R903	1-216-809-11	METAL CHIP	100	5%	1/10W
R911	1-216-031-00	RES-CHIP	180	5%	1/10W
R912	1-216-043-91	RES-CHIP	560	5%	1/10W
R913	1-216-809-11	METAL CHIP	100	5%	1/10W
R914	1-216-058-00	RES-CHIP	2.4K	5%	1/10W
R921	1-216-031-00	RES-CHIP	180	5%	1/10W
R923	1-216-809-11	METAL CHIP	100	5%	1/10W
R924	1-216-061-91	RES-CHIP	3.3K	5%	1/10W
R925	1-216-029-00	RES-CHIP	150	5%	1/10W
R926	1-216-029-00	RES-CHIP	150	5%	1/10W
R927	1-216-029-00	RES-CHIP	150	5%	1/10W
		< SWITCH >			
S301	1-786-279-21	SWITCH, PUSH (1 KEY) (TEST MODE)			
		< VIBRATOR >			
X301	1-781-945-21	VIBRATOR, CERAMIC (20MHz)			

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	A-1065-364-A	EJECT KEY BOARD, COMPLETE			
		**********			
		< CONNECTOR >			
CN310	1-784-650-21	CONNECTOR 2P			
		< SWITCH >			
S402	1-786-033-61	SWITCH, TACTILE (⏏)			

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		FAN CONTROL BOARD			
		**********			
		< CAPACITOR >			
C402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C403	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN401	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
CN402	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
		< DIODE >			
D401	8-719-056-82	DIODE UDZ-TE-17-6.2B			
		< TRANSISTOR >			
Q401	8-729-808-42	TRANSISTOR	2SD1624-T		
Q402	8-729-024-91	TRANSISTOR	2SC2712-GL-TE85L		
		< RESISTOR >			
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W

EJECT KEY

FAN CONTROL

I/O

Ref. No.	Part No.	Description			Remark
R403	1-218-727-11	METAL CHIP	30K	0.5%	1/10W
R405	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R406	1-216-821-11	METAL CHIP	1K	5%	1/10W
R407	1-216-837-11	METAL CHIP	22K	5%	1/10W
R409	1-216-029-00	RES-CHIP	150	5%	1/10W
R410	1-216-029-00	RES-CHIP	150	5%	1/10W
R411	1-216-029-00	RES-CHIP	150	5%	1/10W
		< THERMISTOR >			
TH401	1-804-045-11	THERMISTOR			

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	A-1065-367-A	I/O BOARD, COMPLETE (AEP, UK, RU)			
	A-1065-833-A	I/O BOARD, COMPLETE (EXCEPT AEP, UK, RU)			
		**********			
		< CAPACITOR >			
C001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C101	1-124-779-00	ELECT CHIP	10uF	20%	16V
C102	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C103	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C104	1-124-779-00	ELECT CHIP	10uF	20%	16V
C105	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C106	1-117-681-11	ELECT CHIP	100uF	20%	16V
C107	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C111	1-124-779-00	ELECT CHIP	10uF	20%	16V
C112	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C113	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C114	1-124-779-00	ELECT CHIP	10uF	20%	16V
C115	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C116	1-117-681-11	ELECT CHIP	100uF	20%	16V
C121	1-124-779-00	ELECT CHIP	10uF	20%	16V
C122	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C123	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C124	1-124-779-00	ELECT CHIP	10uF	20%	16V
C125	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C126	1-117-681-11	ELECT CHIP	100uF	20%	16V
C141	1-126-395-11	ELECT CHIP	22uF	20%	16V
C142	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C143	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C144	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C145	1-124-779-00	ELECT CHIP	10uF	20%	16V
C146	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C147	1-124-779-00	ELECT CHIP	10uF	20%	16V
C148	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C149	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C150	1-126-395-11	ELECT CHIP	22uF	20%	16V
C151	1-124-779-00	ELECT CHIP	10uF	20%	16V
C152	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C153	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C154	1-124-779-00	ELECT CHIP	10uF	20%	16V
C155	1-124-779-00	ELECT CHIP	10uF	20%	16V
C156	1-124-779-00	ELECT CHIP	10uF	20%	16V
C161	1-124-779-00	ELECT CHIP	10uF	20%	16V
C162	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C163	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C164	1-124-779-00	ELECT CHIP	10uF	20%	16V
C165	1-124-779-00	ELECT CHIP	10uF	20%	16V
C171	1-124-779-00	ELECT CHIP	10uF	20%	16V
C172	1-162-953-11	CERAMIC CHIP	100PF	5%	50V

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Ref. No.	Part No.	Description			Remark
C173	1-162-957-11	CERAMIC CHIP	220PF	5%	50V
C174	1-124-779-00	ELECT CHIP	10uF	20%	16V
C175	1-124-779-00	ELECT CHIP	10uF	20%	16V
C200	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C201	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C202	1-126-193-11	ELECT CHIP	1uF	20%	50V
C203	1-126-193-11	ELECT CHIP	1uF	20%	50V
C204	1-126-193-11	ELECT CHIP	1uF	20%	50V
C205	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C206	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C207	1-126-193-11	ELECT CHIP	1uF	20%	50V
C208	1-126-193-11	ELECT CHIP	1uF	20%	50V
C209	1-126-193-11	ELECT CHIP	1uF	20%	50V
C210	1-100-582-21	ELECT CHIP	470uF	20%	4V
C211	1-100-582-21	ELECT CHIP	470uF	20%	4V
C212	1-100-582-21	ELECT CHIP	470uF	20%	4V
C213	1-100-582-21	ELECT CHIP	470uF	20%	4V (AEP, UK, RU)
C214	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V (EXCEPT AEP, UK, RU)
C215	1-100-582-21	ELECT CHIP	470uF	20%	4V
C216	1-100-582-21	ELECT CHIP	470uF	20%	4V
C217	1-100-582-21	ELECT CHIP	470uF	20%	4V
C218	1-100-582-21	ELECT CHIP	470uF	20%	4V (AEP, UK, RU)
C920	1-135-595-11	ELECT	100uF	20%	6.3V
C921	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C925	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C931	1-124-779-00	ELECT CHIP	10uF	20%	16V
C941	1-124-779-00	ELECT CHIP	10uF	20%	16V
C942	1-117-681-11	ELECT CHIP	100uF	20%	16V
C943	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C944	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN101	1-784-382-21	CONNECTOR, FFC/FPC 25P			
CN102	1-774-297-21	PIN, CONNECTOR (PC BOARD) 7P			
CN103	1-770-160-21	PIN, CONNECTOR (PC BOARD) 2P			
CN201	1-784-376-11	CONNECTOR, FFC/FPC 17P			
CN202	1-774-863-11	PIN, CONNECTOR (PC BOARD) 8P			
CN203	1-770-629-21	PIN, CONNECTOR 12P			
CN204	1-784-368-11	CONNECTOR, FFC/FPC 9P			
		< DIODE >			
D101	8-719-988-61	DIODE 1SS355TE-17			
D102	8-719-988-61	DIODE 1SS355TE-17			
D201	8-719-988-61	DIODE 1SS355TE-17			
D202	8-719-988-61	DIODE 1SS355TE-17			
D901	8-719-988-61	DIODE 1SS355TE-17			
D902	8-719-988-61	DIODE 1SS355TE-17			
D941	8-719-053-18	DIODE 1SR154-400TE-25			
		< RESISTOR >			
FB101	1-216-864-11	SHORT CHIP	0		
FB201	1-216-864-11	SHORT CHIP	0		
FB202	1-216-864-11	SHORT CHIP	0		
FB203	1-216-864-11	SHORT CHIP	0		
FB204	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
		< FILTER >			
FL201	1-234-177-21	FILTER, CHIP EMI			
		< IC >			
IC101	8-759-572-38	IC NJM2140R			
IC102	8-759-572-38	IC NJM2140R			
IC103	8-759-572-38	IC NJM2140R			
IC201	6-705-602-01	IC MM1623BFBE			
IC901	6-701-011-01	IC uPC2910T-E1			
IC902	8-759-473-95	IC uPC2905T-E1			
IC905	6-701-011-01	IC uPC2910T-E1			
IC907	8-759-473-95	IC uPC2905T-E1			
		< JUMPER RESISTOR >			
JW101	1-216-864-11	SHORT CHIP	0		
JW102	1-216-864-11	SHORT CHIP	0		
JW103	1-216-864-11	SHORT CHIP	0		
JW105	1-216-864-11	SHORT CHIP	0		
JW106	1-216-864-11	SHORT CHIP	0		
JW201	1-216-864-11	SHORT CHIP	0		
JW202	1-216-864-11	SHORT CHIP	0		
JW203	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)		
		< COIL >			
L201	1-410-389-31	INDUCTOR	47uH		
		< TRANSISTOR >			
Q003	8-729-901-00	TRANSISTOR	DTC124EK		
Q004	8-729-820-61	TRANSISTOR	2SB1124-T		
Q005	8-729-216-22	TRANSISTOR	2SA1162-G		
		< RESISTOR >			
R066	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R067	1-216-833-11	METAL CHIP	10K	5%	1/10W
R101	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R102	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R103	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R105	1-216-809-11	METAL CHIP	100	5%	1/10W
R106	1-216-845-11	METAL CHIP	100K	5%	1/10W
R107	1-216-821-11	METAL CHIP	1K	5%	1/10W
R108	1-216-821-11	METAL CHIP	1K	5%	1/10W
R111	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R112	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R113	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R115	1-216-809-11	METAL CHIP	100	5%	1/10W
R116	1-216-845-11	METAL CHIP	100K	5%	1/10W
R117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R121	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R122	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R123	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R125	1-216-809-11	METAL CHIP	100	5%	1/10W
R126	1-216-845-11	METAL CHIP	100K	5%	1/10W
R127	1-216-821-11	METAL CHIP	1K	5%	1/10W
R151	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R152	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R153	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R155	1-216-809-11	METAL CHIP	100	5%	1/10W

I/O RF

Ref. No.	Part No.	Description			Remark
R156	1-216-845-11	METAL CHIP	100K	5%	1/10W
R157	1-216-821-11	METAL CHIP	1K	5%	1/10W
R158	1-216-821-11	METAL CHIP	1K	5%	1/10W
R161	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R162	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R163	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R165	1-216-809-11	METAL CHIP	100	5%	1/10W
R166	1-216-845-11	METAL CHIP	100K	5%	1/10W
R167	1-216-821-11	METAL CHIP	1K	5%	1/10W
R171	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R172	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R173	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R175	1-216-809-11	METAL CHIP	100	5%	1/10W
R176	1-216-845-11	METAL CHIP	100K	5%	1/10W
R177	1-216-821-11	METAL CHIP	1K	5%	1/10W
R201	1-216-833-11	METAL CHIP	10K	5%	1/10W
R202	1-216-833-11	METAL CHIP	10K	5%	1/10W
R203	1-216-833-11	METAL CHIP	10K	5%	1/10W
R204	1-218-285-11	METAL CHIP	75	5%	1/10W
R205	1-218-285-11	METAL CHIP	75	5%	1/10W
R206	1-218-285-11	METAL CHIP	75	5%	1/10W
R207	1-218-285-11	METAL CHIP	75	5%	1/10W
R208	1-216-833-11	METAL CHIP	10K	5%	1/10W
R209	1-216-833-11	METAL CHIP	10K	5%	1/10W
				(EXCEPT AEP, UK, RU)	
R210	1-216-833-11	METAL CHIP	10K	5%	1/10W
				(EXCEPT AEP, UK, RU)	
R212	1-216-817-11	METAL CHIP	470	5%	1/10W
R213	1-216-864-11	SHORT CHIP	0		
R214	1-216-864-11	SHORT CHIP	0		
R215	1-216-864-11	SHORT CHIP	0		
R216	1-216-864-11	SHORT CHIP	0		
**********					
	A-4728-690-A	RF BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C001	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C002	1-124-779-00	ELECT CHIP	10uF	20%	16V
C003	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C004	1-124-779-00	ELECT CHIP	10uF	20%	16V
C005	1-128-993-21	ELECT CHIP	22uF	20%	10V
C006	1-128-993-21	ELECT CHIP	22uF	20%	10V
C008	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C009	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C010	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C011	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C012	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C013	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C014	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C015	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C016	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C017	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C018	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V
C019	1-164-172-11	CERAMIC CHIP	0.0056uF	10%	25V
C020	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C021	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C022	1-162-919-11	CERAMIC CHIP	22PF	5%	50V

Ref. No.	Part No.	Description			Remark
C023	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C024	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C025	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C026	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C027	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C028	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C029	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C030	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C031	1-115-416-11	CERAMIC CHIP	0.001uF	5%	25V
C032	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C033	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C034	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C035	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C036	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C037	1-115-412-11	CERAMIC CHIP	680PF	5%	25V
C038	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C039	1-164-677-11	CERAMIC CHIP	0.033uF	10%	16V
C040	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C041	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C042	1-164-218-11	CERAMIC CHIP	180PF	5%	50V
C049	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C050	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C051	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C052	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN001	1-815-031-11	CONNECTOR, FFC/FPC (ZIF) 24P			
CN002	1-784-836-21	CONNECTOR, FFC (LIF (NON-ZIF)) 29P			
CN003	1-784-861-21	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
		< DIODE >			
D001	8-719-988-61	DIODE 1SS355TE-17			
D002	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC001	6-703-922-01	IC SP3723CAF0PM			
IC003	6-703-921-01	IC TL343IDBVR			
		< COIL >			
L001	1-412-031-11	INDUCTOR	47uH		
L002	1-412-031-11	INDUCTOR	47uH		
		< TRANSISTOR >			
Q001	8-729-903-46	TRANSISTOR	2SB1132-P		
Q002	8-729-903-46	TRANSISTOR	2SB1132-P		
		< RESISTOR >			
R001	1-218-668-11	METAL CHIP	100	0.5%	1/10W
R003	1-216-803-11	METAL CHIP	33	5%	1/10W
R004	1-216-803-11	METAL CHIP	33	5%	1/10W
R005	1-216-841-11	METAL CHIP	47K	5%	1/10W
R006	1-216-817-11	METAL CHIP	470	5%	1/10W
R007	1-216-803-11	METAL CHIP	33	5%	1/10W
R008	1-216-803-11	METAL CHIP	33	5%	1/10W
R009	1-216-841-11	METAL CHIP	47K	5%	1/10W
R010	1-216-817-11	METAL CHIP	470	5%	1/10W
R011	1-216-864-11	SHORT CHIP	0		

RF | STBY KEY | TOUCH KEY

Ref. No.	Part No.	Description			Remark
R012	1-216-864-11	SHORT CHIP	0		
R013	1-216-864-11	SHORT CHIP	0		
R014	1-216-864-11	SHORT CHIP	0		
R015	1-216-864-11	SHORT CHIP	0		
R016	1-216-864-11	SHORT CHIP	0		
R017	1-216-864-11	SHORT CHIP	0		
R018	1-216-864-11	SHORT CHIP	0		
R019	1-216-864-11	SHORT CHIP	0		
R020	1-216-864-11	SHORT CHIP	0		
R021	1-216-864-11	SHORT CHIP	0		
R022	1-216-813-11	METAL CHIP	220	5%	1/10W
R023	1-216-820-11	METAL CHIP	820	5%	1/10W
R024	1-216-864-11	SHORT CHIP	0		
R025	1-216-809-11	METAL CHIP	100	5%	1/10W
R026	1-218-718-11	METAL CHIP	12K	0.5%	1/10W
R027	1-216-864-11	SHORT CHIP	0		
R028	1-216-864-11	SHORT CHIP	0		
R029	1-216-864-11	SHORT CHIP	0		
R031	1-216-809-11	METAL CHIP	100	5%	1/10W
R033	1-216-845-11	METAL CHIP	100K	5%	1/10W
R034	1-216-817-11	METAL CHIP	470	5%	1/10W
R035	1-216-864-11	SHORT CHIP	0		
R041	1-216-821-11	METAL CHIP	1K	5%	1/10W
R046	1-216-833-11	METAL CHIP	10K	5%	1/10W
R047	1-216-839-11	METAL CHIP	33K	5%	1/10W
R091	1-218-913-91	METAL CHIP	560K	0.5%	1/10W
**********					
	A-1065-363-A	STBY KEY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C471	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN311	1-779-884-11	CONNECTOR 4P			
		< DIODE >			
D471	8-719-045-55	DIODE SEC1201C (I/⏻)			
		< RESISTOR >			
R471	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< SWITCH >			
S401	1-786-033-61	SWITCH, TACTILE (I/⏻)			
**********					
	A-1065-362-A	TOUCH KEY BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C401	1-126-206-11	ELECT CHIP	100uF	20%	6.3V
C402	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C403	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C404	1-124-779-00	ELECT CHIP	10uF	20%	16V
C405	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C406	1-165-908-11	CERAMIC CHIP	1uF	10%	10V

Ref. No.	Part No.	Description			Remark
C407	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C410	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C411	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C412	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C413	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C414	1-165-176-11	CERAMIC CHIP	0.047uF	10%	16V
C415	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
C416	1-110-563-11	CERAMIC CHIP	0.068uF	10%	16V
		< CONNECTOR >			
CN401	1-793-990-11	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 18P			
CN402	1-779-806-21	CONNECTOR 8P			
		< IC >			
IC401	6-706-759-01	IC QT1100			
IC402	6-707-026-01	IC TK11145CSCL-G			
		< JUMPER RESISTOR >			
JW402	1-216-296-11	SHORT CHIP	0		
		< COIL >			
L401	1-414-398-11	INDUCTOR	10uH		
		< RESISTOR >			
R401	1-216-809-11	METAL CHIP	100	5%	1/10W
R402	1-216-833-11	METAL CHIP	10K	5%	1/10W
R404	1-216-833-11	METAL CHIP	10K	5%	1/10W
R405	1-216-833-11	METAL CHIP	10K	5%	1/10W
R406	1-216-833-11	METAL CHIP	10K	5%	1/10W
R407	1-216-809-11	METAL CHIP	100	5%	1/10W
R408	1-216-833-11	METAL CHIP	10K	5%	1/10W
R409	1-216-833-11	METAL CHIP	10K	5%	1/10W
R410	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R411	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R412	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R413	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R414	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R415	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R416	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R420	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R421	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R422	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R423	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R424	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R425	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R426	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R431	1-216-809-11	METAL CHIP	100	5%	1/10W
R432	1-216-809-11	METAL CHIP	100	5%	1/10W
R433	1-216-809-11	METAL CHIP	100	5%	1/10W
R435	1-216-809-11	METAL CHIP	100	5%	1/10W
R436	1-216-809-11	METAL CHIP	100	5%	1/10W
R437	1-216-809-11	METAL CHIP	100	5%	1/10W
R438	1-216-809-11	METAL CHIP	100	5%	1/10W
R439	1-216-809-11	METAL CHIP	100	5%	1/10W
R440	1-216-809-11	METAL CHIP	100	5%	1/10W
R441	1-216-809-11	METAL CHIP	100	5%	1/10W

TOUCH KEY

Ref. No.	Part No.	Description	Remark
		< VIBRATOR >	
X401	1-813-371-21	VIBRATOR, CERAMIC (12MHz)	
**********			
		MISCELLANEOUS	
		**********	
6	A-1066-311-A	STAND ASSY (EXCEPT KR)	
6	A-1092-692-A	STAND ASSY (KR)	
60	X-2022-359-1	ESCUTCHEON ASSY	
102	1-829-825-11	WIRE, FLAT TYPE (17 CORE)	
103	1-829-824-11	WIRE, FLAT TYPE (9 CORE)	
104	1-829-826-11	WIRE, FLAT TYPE (25 CORE)	
106	1-829-827-11	WIRE, FLAT TYPE (29 CORE)	
107	1-829-383-11	CABLE (SYSTEM) (EXCEPT US, CND)	
107	1-830-201-11	CABLE (FOR SYSTEM) U/CA (US, CND)	
109	1-829-822-11	WIRE, FLAT TYPE (18 CORE)	
111	1-829-823-11	WIRE, FLAT TYPE (12 CORE)	
113	1-787-264-11	FAN, DC	
602	1-685-250-11	FLEXIBLE BOARD	
⚠605	A-1071-961-A	OPTICAL PICK-UP (DBU-3)	
M701	X-2021-530-1	MOTOR (PULLEY) ASSY (LOADING)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2004.08	New
1.1	2004.10	Addition of special jig (J-2501-272-A) for checking RF signal waveform (SPM-04109)
1.2	2006.09	Addition of Australian model and Taiwan model

SA-WSLF1

SERVICE MANUAL

Ver 1.0 2004.08

US Model
Canadian Model
AEP Model
UK Model
E Model

- SA-WSLF1 is amplifier/subwoofer and tuner system in DAV-LF1.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:	With 4 ohm loads, both channels driven, from 200 – 20,000 Hz; rated 65 watts per channel minimum RMS power, with no more than 0.7 % total harmonic distortion from 250 milli watts to rated output.

Amplifier section

Stereo mode (rated)	86 W + 86 W (4 ohms at 1 kHz, THD 10 %)
Surround mode (reference) music power output	Front: 86 W (each) (with SS-TSLF1) Center*: 86 W (with SS-CTLF1) Surround (R)*: 86 W (with SS-TSLF1W) Surround (L): 86 W (with SA-TSLF1) Subwoofer*: 85 W × 2 (with SA-WSLF1)

* *Depending on the sound field settings and the source, there may be no sound output.*

Inputs	VIDEO/TV/SAT: Sensitivity: 300 mV Impedance: 50 kilohms
Phones	Accepts low-and high-impedance headphones.

Tuner section

System	PLL quartz-locked digital synthesizer system
FM tuner section	
Tuning range	87.5 – 108.0 MHz (50 kHz step)
Antenna (aerial)	FM wire antenna (aerial)
Antenna (aerial) terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz
AM tuner section	
Tuning range	
Middle Easten models:	531 – 1,602 kHz (with the interval set at 9 kHz)
Other models:	531 – 1,602 kHz (with the interval set at 9 kHz) 530 – 1,710 kHz (with the interval set at 10 kHz)
Antenna (aerial)	AM loop antenna (aerial)
Intermediate frequency	450 kHz

Video section

Outputs	Video: Vp-p 75 ohms S video: Y: 1 Vp-p 75 ohms C: 0.286 Vp-p 75 ohms COMPONENT: Y: 1 Vp-p 75 ohms P_B/C_B, P_R/C_R: 0.7 Vp-p 75 ohms
Inputs	Video: 1 Vp-p 75 ohms

Subwoofer

Speaker system	Bass reflex
Speaker unit	180 mm ($7\ ^1/_8$ inches) dia. cone type
Rated impedance	4 ohms × 2
Dimensions (approx.)	241 × 606 × 241 mm ($9\ ^1/_2 \times 23\ ^7/_8 \times 9\ ^1/_2$ inches) (w/h/d)
Mass (approx.)	14 kg (30 lb 14 oz)
Power requirements	
North American and Mexican models:	120 V AC, 60 Hz
Taiwan model:	120 V AC, 50/60 Hz
Other models:	220-240 V AC, 50/60 Hz
Power consumption	120 W 0.3 W (at the Power Saving mode)

Design and specifications are subject to change without notice.

ACTIVE SUBWOOFER

9-879-144-01
2004H1678-1
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Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

UNLEADED SOLDER

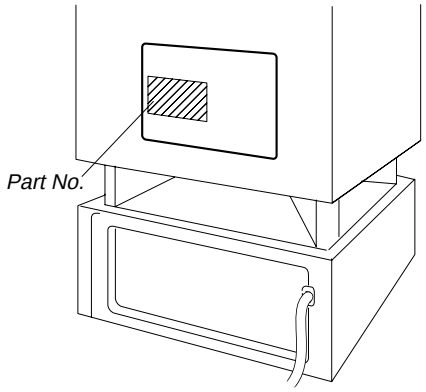
Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

MODEL IDENTIFICATION
– Rear Side –



Model Name	Part No.
AEP, UK, Russian models	2-318-584-0□
US, CND models	2-320-434-0□
EA, E41 models	2-320-799-0□
MX model	2-320-800-0□
KR model	2-320-801-0□
SP, HK models	

• Abbreviation

CND	: Canadian model.	KR	: Korea model.
E41	: Chilean and peruvian models.	MX	: Mexican model.
EA	: Saudi Arabia model.	RU	: Russian model.
HK	: Hong Kong model.	SP	: Singapore model.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

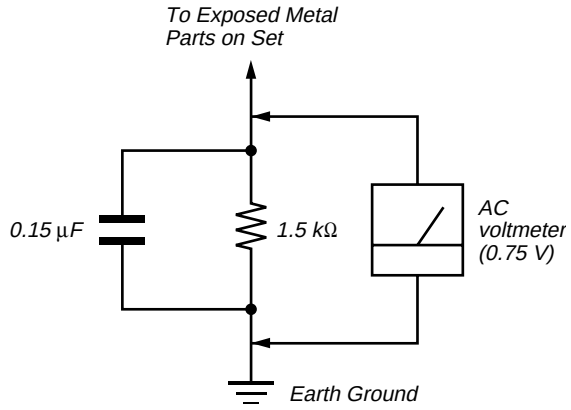


Fig. A. Using an AC voltmeter to check AC leakage.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SECTION 1
SERVICING NOTES

• The units that are required for the system operation check during repair service

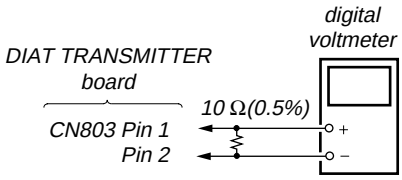
Units required for operation check / Unit. need to checking	DVD player : HCD-LF1	Sub woofer : SA-WSLF1	Front speaker : SS-TSLF1(R) SS-TSLF1L(L)	Center speaker : SS-CTLF1	Surround speaker : SS-TSLF1W(R) SA-TSLF1(L)	Remote commander : RM-SP320
DVD player : HCD-LF1	○	○				○
Sub woofer : SA-WSLF1	○	○				○
Front speaker : SS-TSLF1(R) SS-TSLF1L(L)	○	○	○*1			○
Center speaker : SS-CTLF1				○		
Surround speaker : SS-TSLF1W(R) SA-TSLF1(L)	○	○	○*2		○*1	○
Remote commander : RM-SP320						○

*1 Only the defective unit. *2 Either one of them.
Units with ○ mark: The units that are required for the system operation check during repair service
However, there can be a case that some units of the system need to not be brought into repair shop depending on the unit. that became defective.

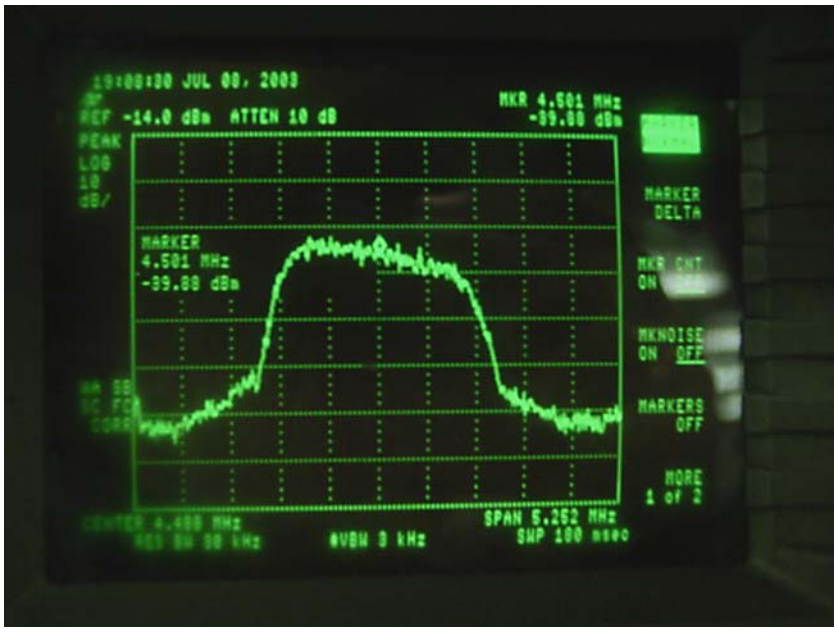
[The check method of the output signal from DIAT TRANSMITTER board]

Procedure:

1. A spectrum analyzer is connected to pin 2 and pin 1 of the output connector CN803 of DIAT TRANSMITTER board.

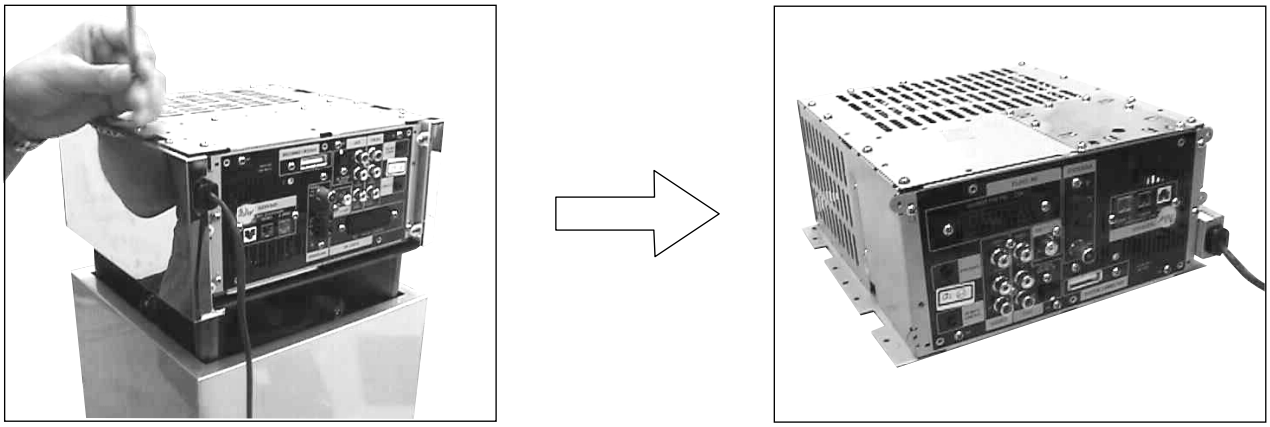


2. Confirm that it is spectrum as shown in a figure with the spectrum analyzer. It is normal if the signal of a 3MHz to 6MHz zone (a center is 4.5MHz) can be checked.

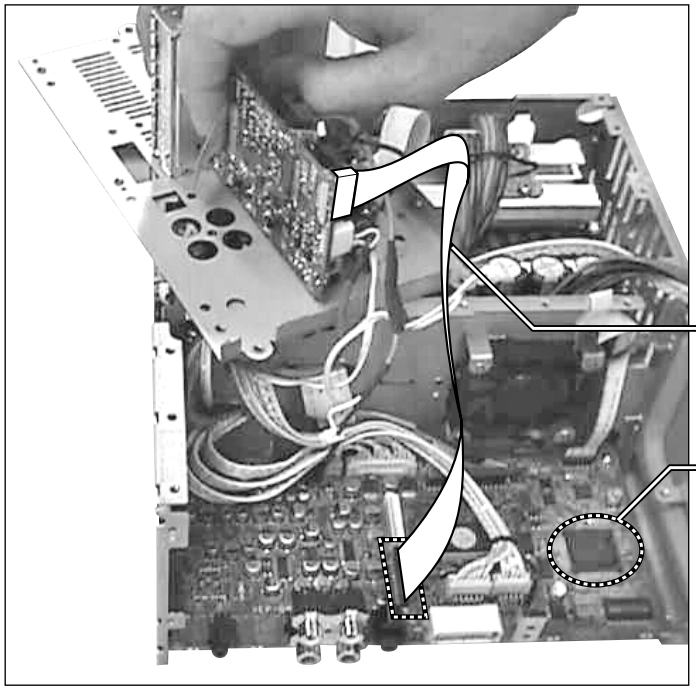


3. When the output signal from DIAT TRANSMITTER board is normal, pin 8 (SDATA), pin 4 (LRCKO) and pin 5 (BCKO) of the input signal connector CN801 are investigated.

• **NOTE:**
Turn the woofer upside down and remove the AMP block.



• **SERVICING POSITION (SW-MAIN Board)**


Connect the SW-MAIN board and the VIDEO-I/O board using the extension cable and check the SW-MAIN board.
J-2501-245-A (1mm/23P/L300)
IC525 on the SW-MAIN board

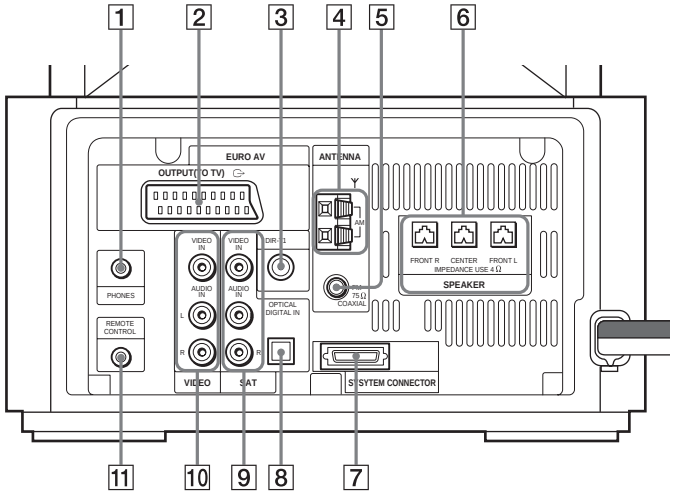
• **CAUTION:**
Keep your eyes 10 cm or more away from the infrared laser unit (DIR-T1).
Do not view directly the laser beam.

SECTION 2
GENERAL

This section is extracted from instruction manual.

(AEP, UK, Russian models)

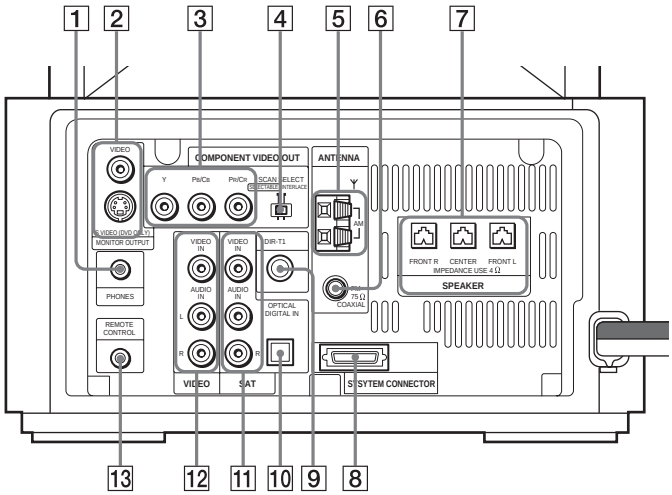
Subwoofer (Rear Panel)



1. **PHONES jack (39)**
2. **EURO AV OUTPUT (TO TV) ⇨ jacks (25)**
3. **DIR-T1 jack (18)**
4. **AM terminals (23)**
5. **FM 75Ω COAXIAL jack (23)**
6. **SPEAKER jacks (18)**
7. **SYSTEM CONNECTOR jack (15)**
8. **SAT OPTICAL DIGITAL IN jack (26)**
9. **SAT (VIDEO IN/AUDIO IN (L/R)) jacks (25)**
10. **VIDEO (VIDEO IN/AUDIO IN (L/R)) jacks (25)**
11. **REMOTE CONTROL jack (18)**

(EXCEPT AEP, UK, Russian models)

Subwoofer (Rear Panel)



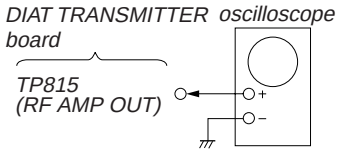
1. **PHONES jack (41)**
2. **MONITOR OUTPUT (VIDEO/S VIDEO) jacks (25)**
3. **COMPONENT VIDEO OUT jacks (25)**
4. **COMPONENT VIDEO OUT/SCAN SELECT switch (88)**
5. **AM terminals (23)**
6. **FM 75Ω COAXIAL jack (23)**
7. **SPEAKER jacks (18)**
8. **SYSTEM CONNECTOR jack (15)**
9. **DIR-T1 jack (18)**
10. **SAT OPTICAL DIGITAL IN jack (26)**
11. **SAT (VIDEO IN/AUDIO IN (L/R)) jacks (25)**
12. **VIDEO (VIDEO IN/AUDIO IN (L/R)) jacks (25)**
13. **REMOTE CONTROL jack (18)**

SECTION 3
ELECTRICAL ADJUSTMENT

DIAT SIGNAL RF LEVEL ADJUSTMENT

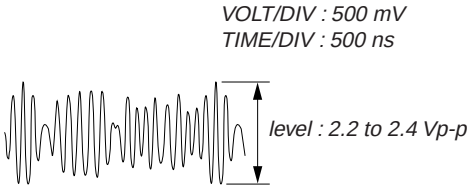
This adjustment is performed in order to adjust the transmission distance of RF signal for DIAT communication.

Connection:



Procedure:

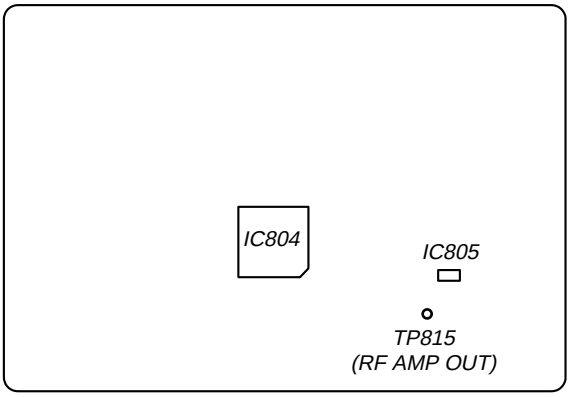
1. Connect the oscilloscope to TP815 (RF AMP OUT) and GND on the DIAT TRANSMITTER board.
2. Connect DIR-T1 to DIR-T1 jack (J908).
3. Adjust RV801 on the DIAT TRANSMITTER board so that the center of waveform becomes Trig level 1.05 Vp-p.
   (*Trigger position: –4 div)
4. Confirm trigger is locked.
5. Adjust RV801 on the DIAT TRANSMITTER board so that the center of waveform becomes 2.2 to 2.4 Vp-p.



RF Signal Reference Waveform

Adjustment Location:

– DIAT TRANSMITTER Board (SIDE A) –



SECTION 4
DIAGRAMS

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

For Schematic Diagrams.
Note:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié.

- ▬ : B+ Line.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : DVD STOP
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
  Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  - : AUDIO
  - : TUNER
  - : CD PLAY
  - : DVD PLAY
  - : VIDEO
  - : Y
  - : CHROMA
  - : COMPONENT VIDEO
  - : R, G, B
  - : AUX IN (AUDIO)
  - : DIGITAL IN
  - : AUX IN (VIDEO)

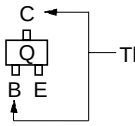
For Printed Wiring Boards.
Note:

- ○——○ : parts extracted from the component side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

Caution:
Pattern face side: (SIDE A) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (SIDE B) Parts on the parts face side seen from the parts face are indicated.

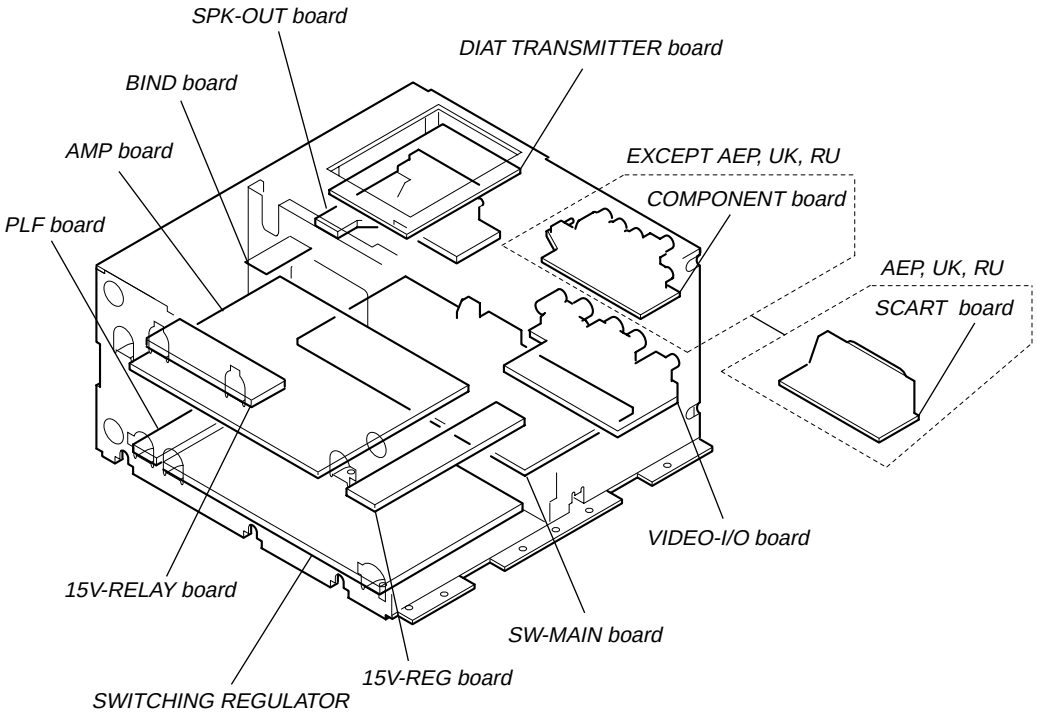
- Indication of transistor.



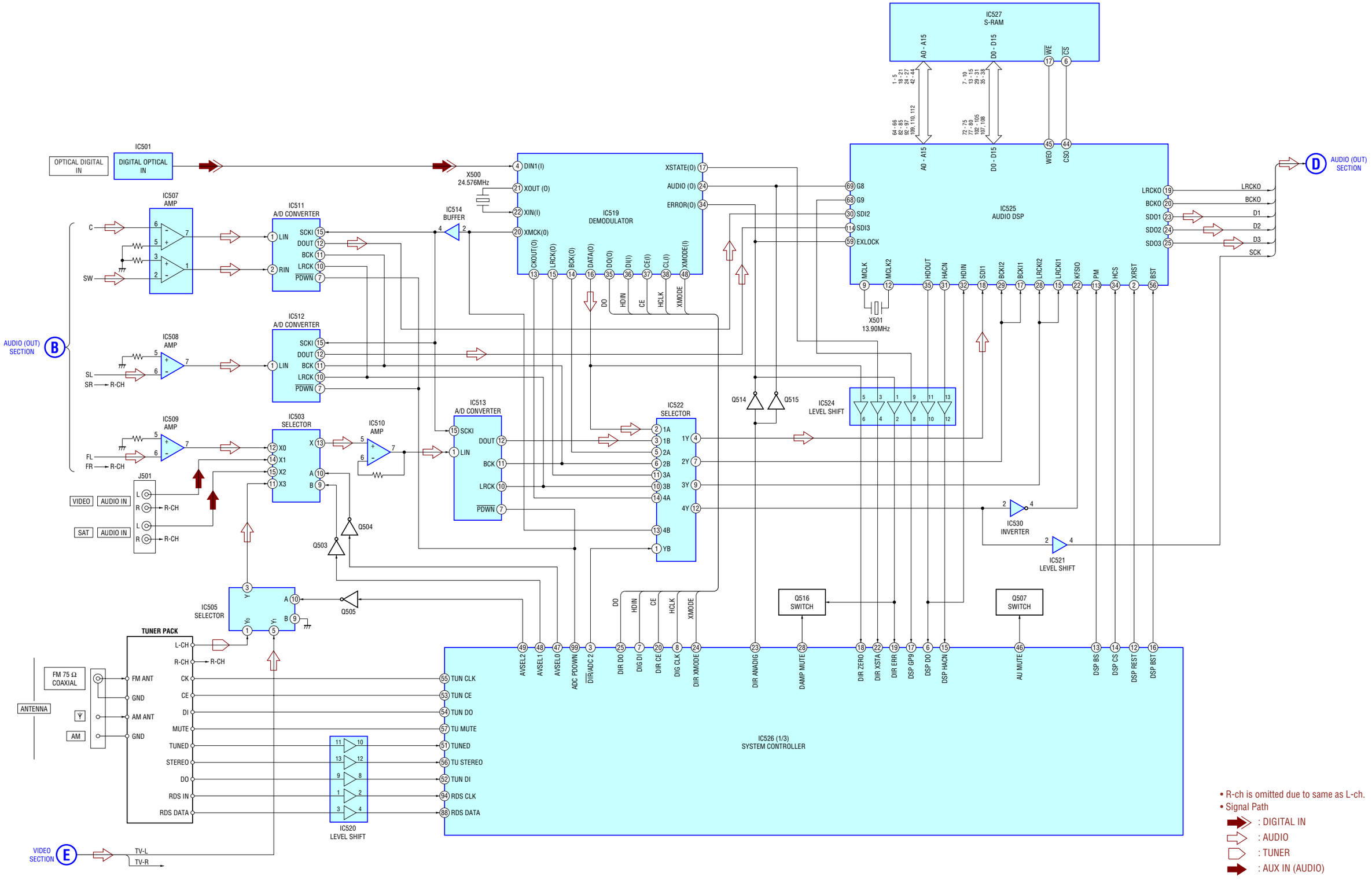
These are omitted.

- Abbreviation
  - CND : Canadian model.
  - E41 : Chilean and peruvian models.
  - EA : Saudi Arabia model.
  - HK : Hong Kong model.
  - KR : Korea model.
  - MX : Mexican model.
  - RU : Russian model.
  - SP : Singapore model.

- **Circuit Boards Location**



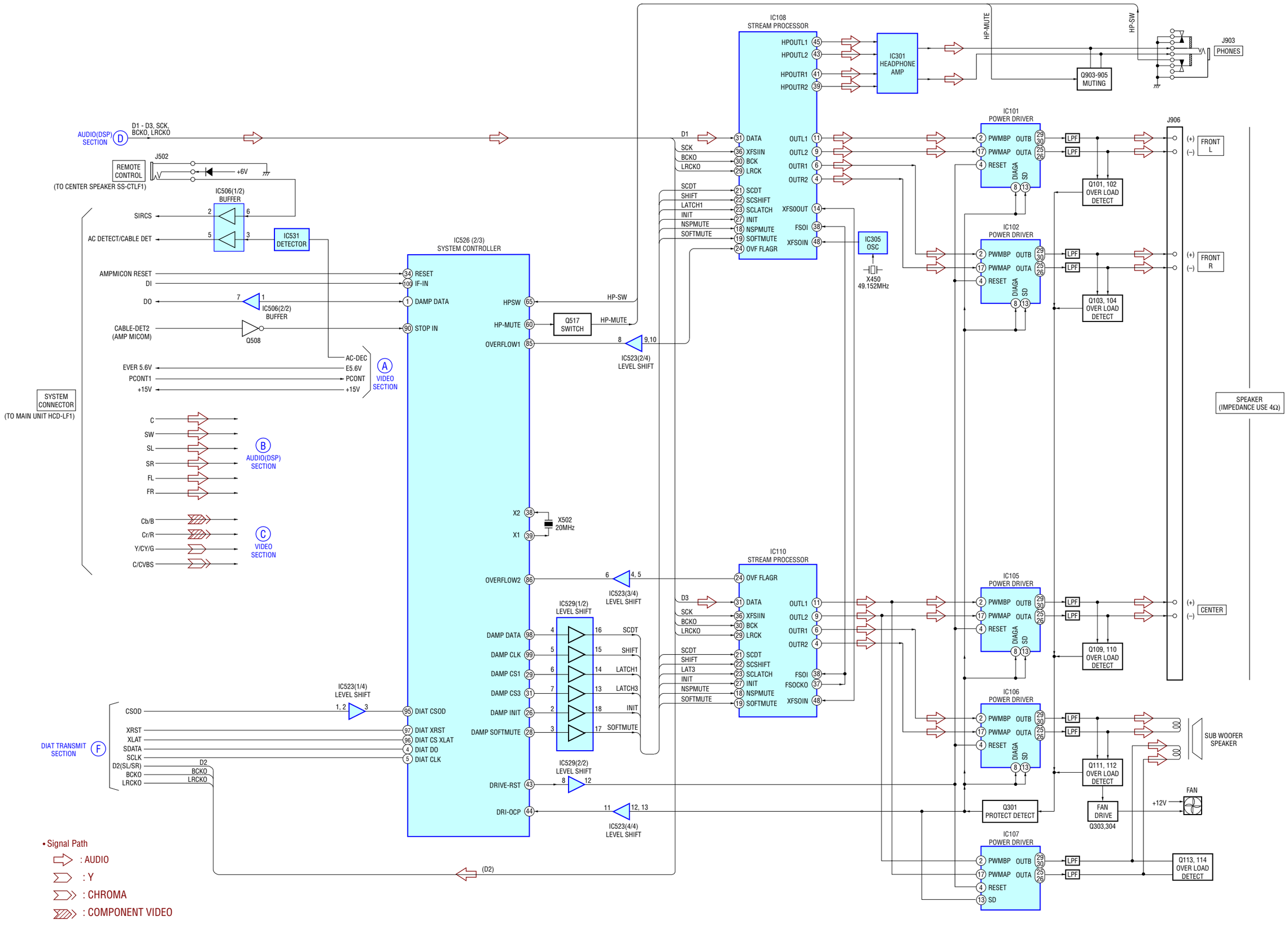
4-1. BLOCK DIAGRAM — AMP (DSP) SECTION —



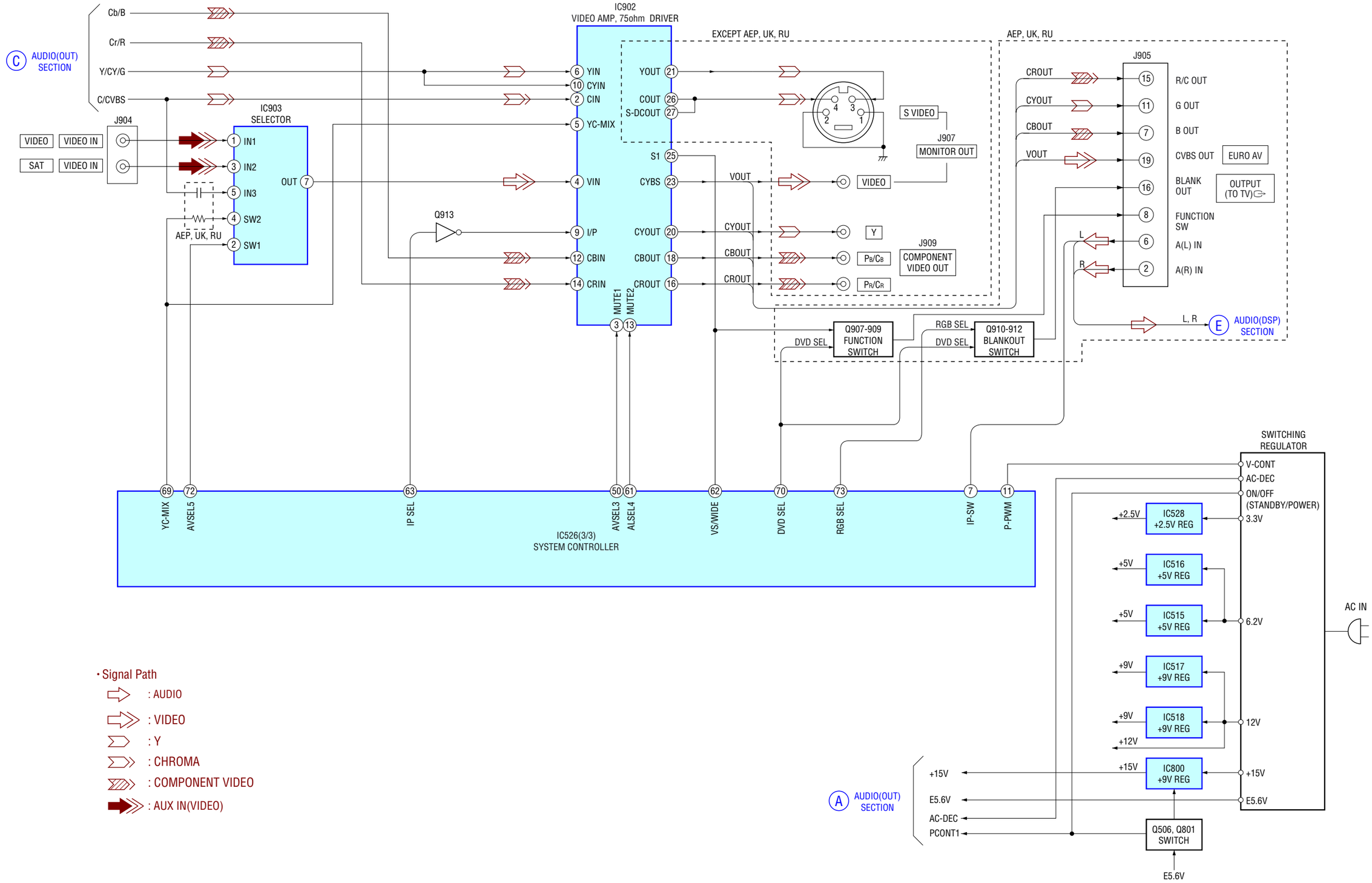
- R-ch is omitted due to same as L-ch.
- Signal Path
  - : DIGITAL IN
  - : AUDIO
  - : TUNER
  - : AUX IN (AUDIO)

SA-WSLF1

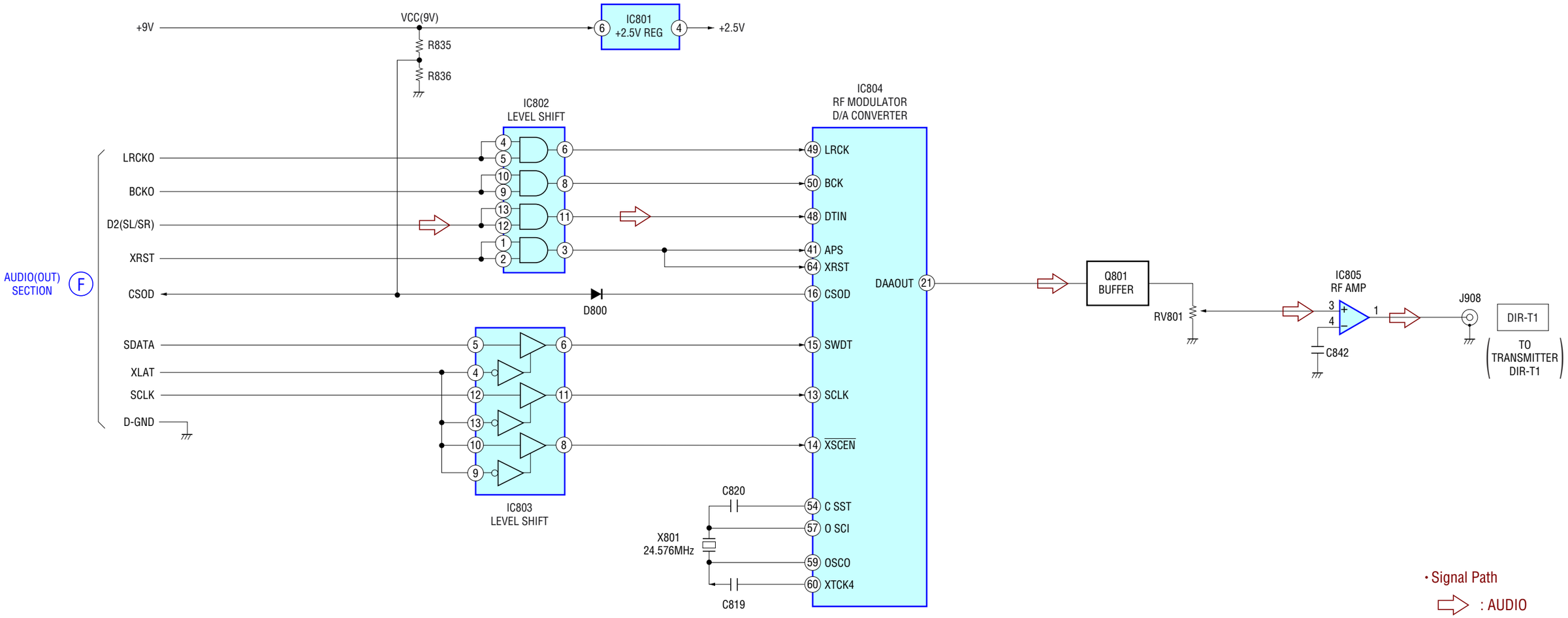
— AUDIO (OUT) SECTION —



— VIDEO SECTION —



— DIAT TRANSMITTER SECTION —

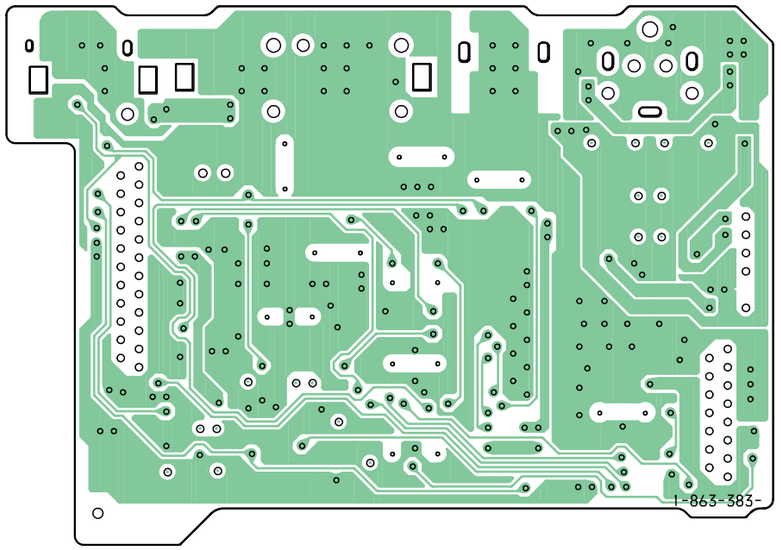


• Signal Path
: AUDIO

4-2. PRINTED WIRING BOARD — JACK COMB SECTION (SIDE A) — :Uses unleaded solder. • See page 8 for Circuit Boards Location.

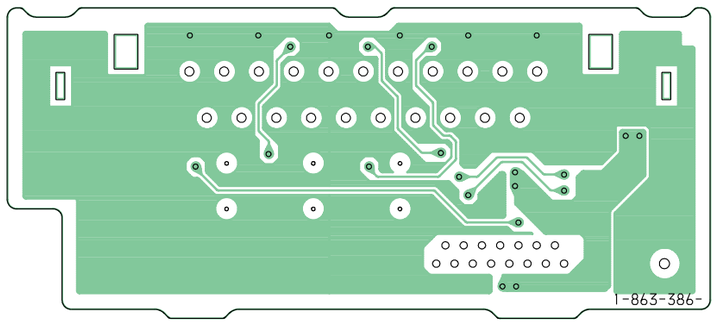
	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								

【VIDEO-I/O BOARD】(SIDE A)

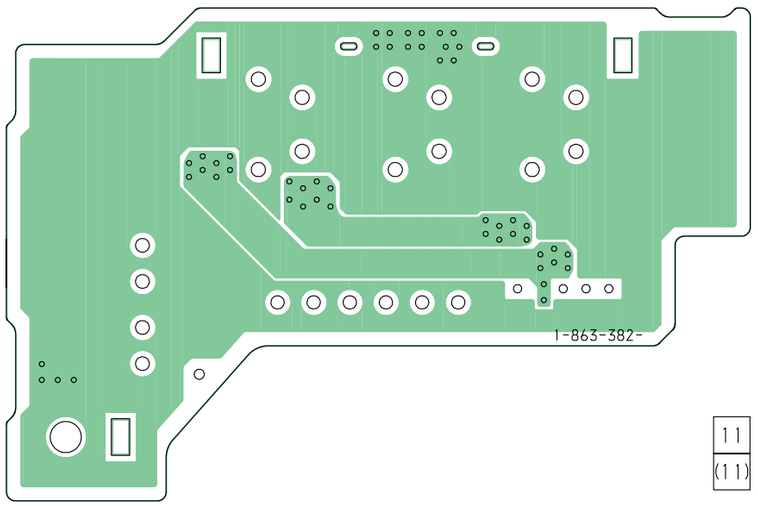


AEP,UK,RU

【SCART BOARD】(SIDE A)

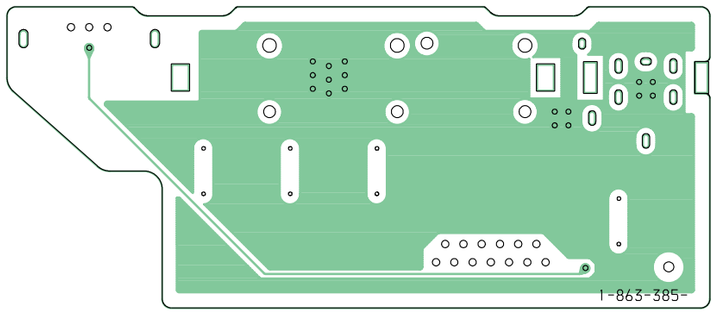


【SPK-OUT BOARD】(SIDE A)



EXCEPT AEP,UK,RU

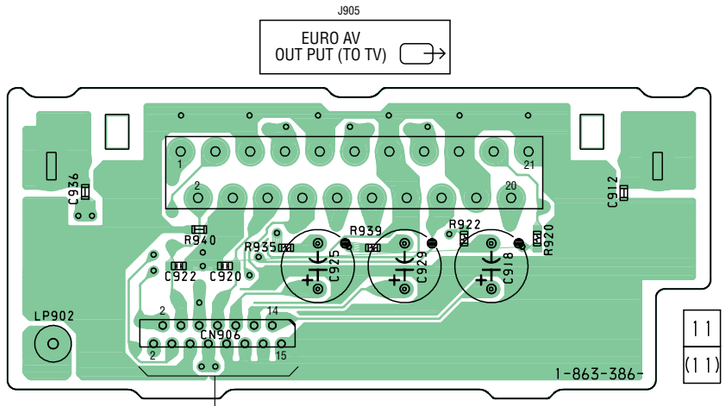
【COMPONENT BOARD】(SIDE A)



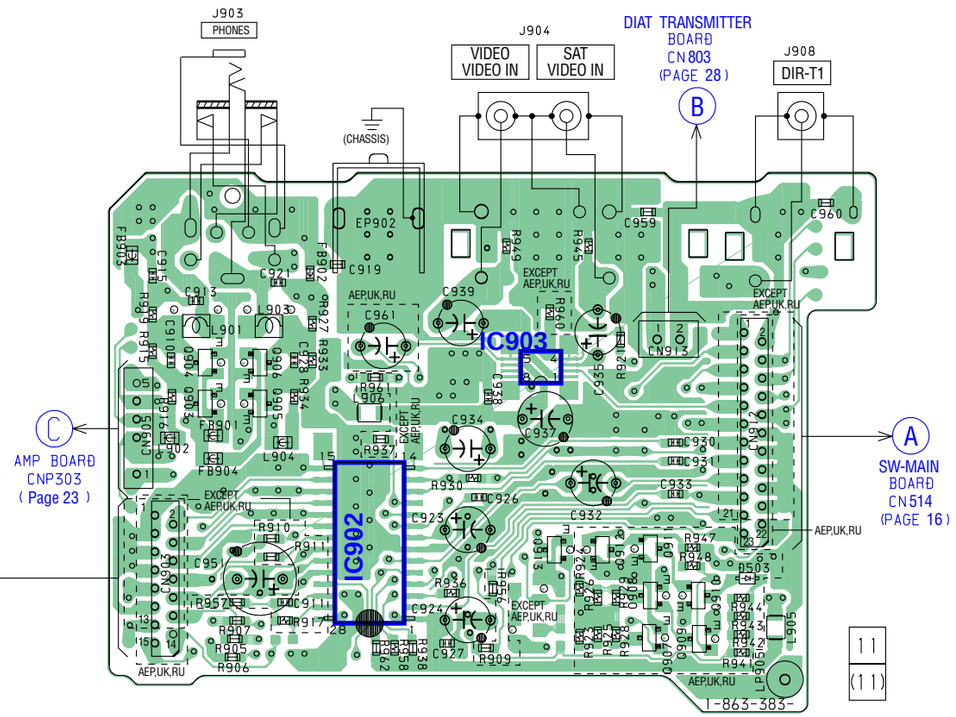
4-3. PRINTED WIRING BOARD — JACK COMB SECTION (SIDE B) — :Uses unleaded solder. • See page 8 for Circuit Boards Location.

AEP,UK,RU

【SCART BOARD】(SIDE B)

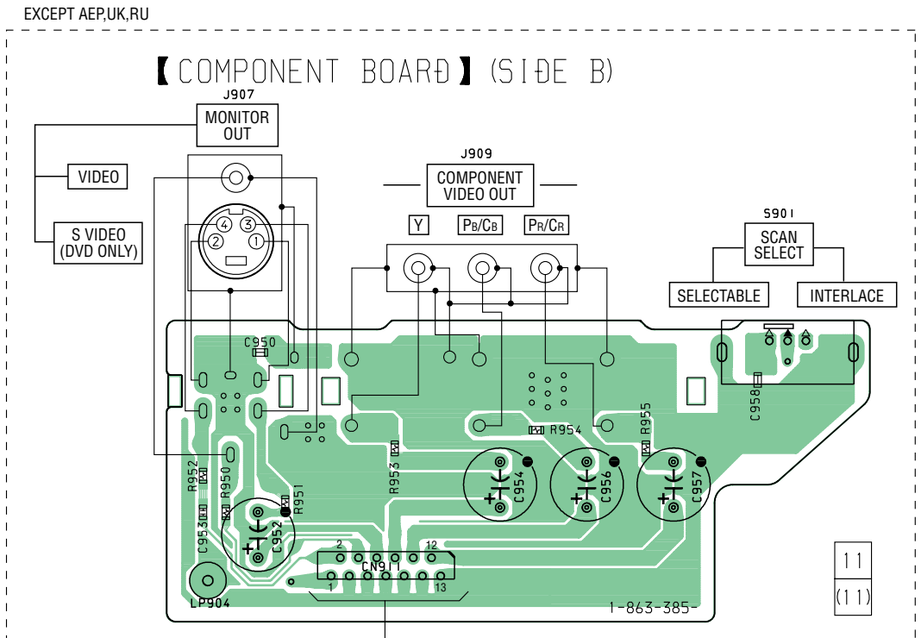


【VIDEO-I/O BOARD】(SIDE B)

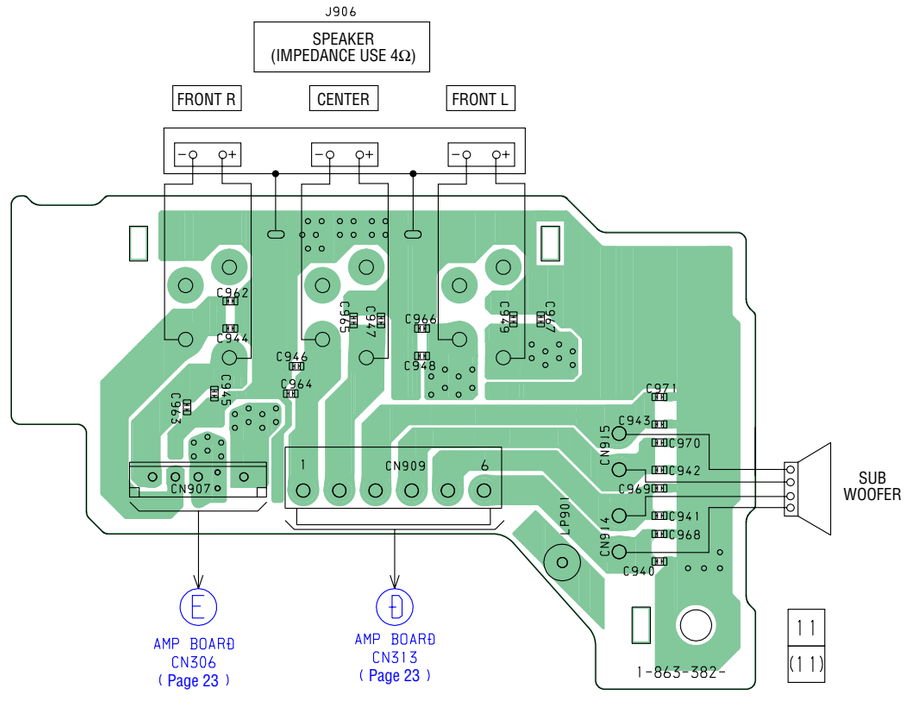


EXCEPT AEP,UK,RU

【COMPONENT BOARD】(SIDE B)



【SPK-OUT BOARD】(SIDE B)

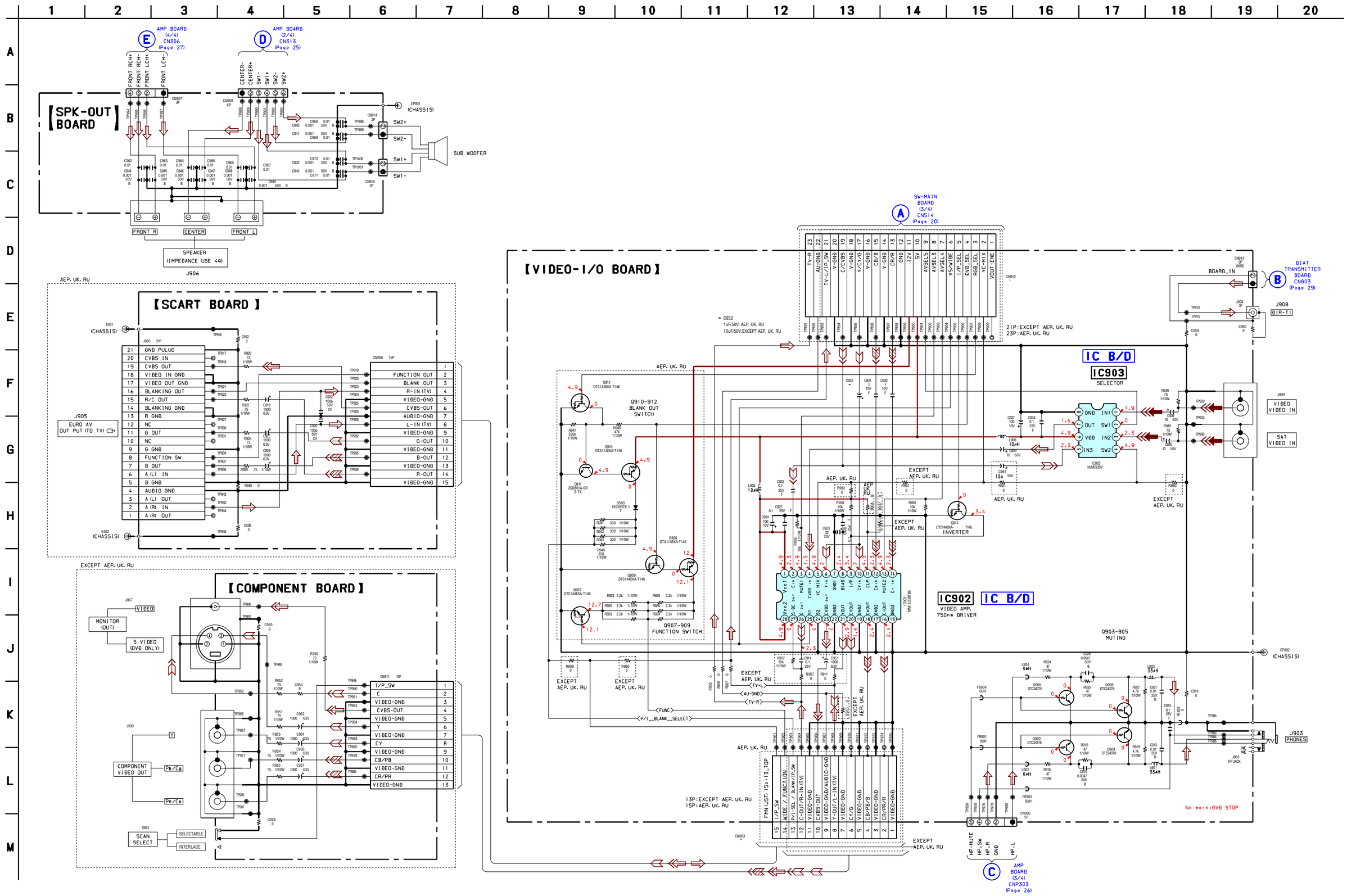


- **Semiconductor Location**

Ref. No.	Location
D503	C-8
IC902	C-6
IC903	B-7
Q903	B-6
Q904	B-6
Q905	B-6
Q906	B-6
Q907	C-8
Q908	C-8
Q909	C-8
Q910	C-8
Q911	C-8
Q912	C-7
Q913	C-7

4-4. SCHEMATIC DIAGRAM — JACK COMB SECTION —

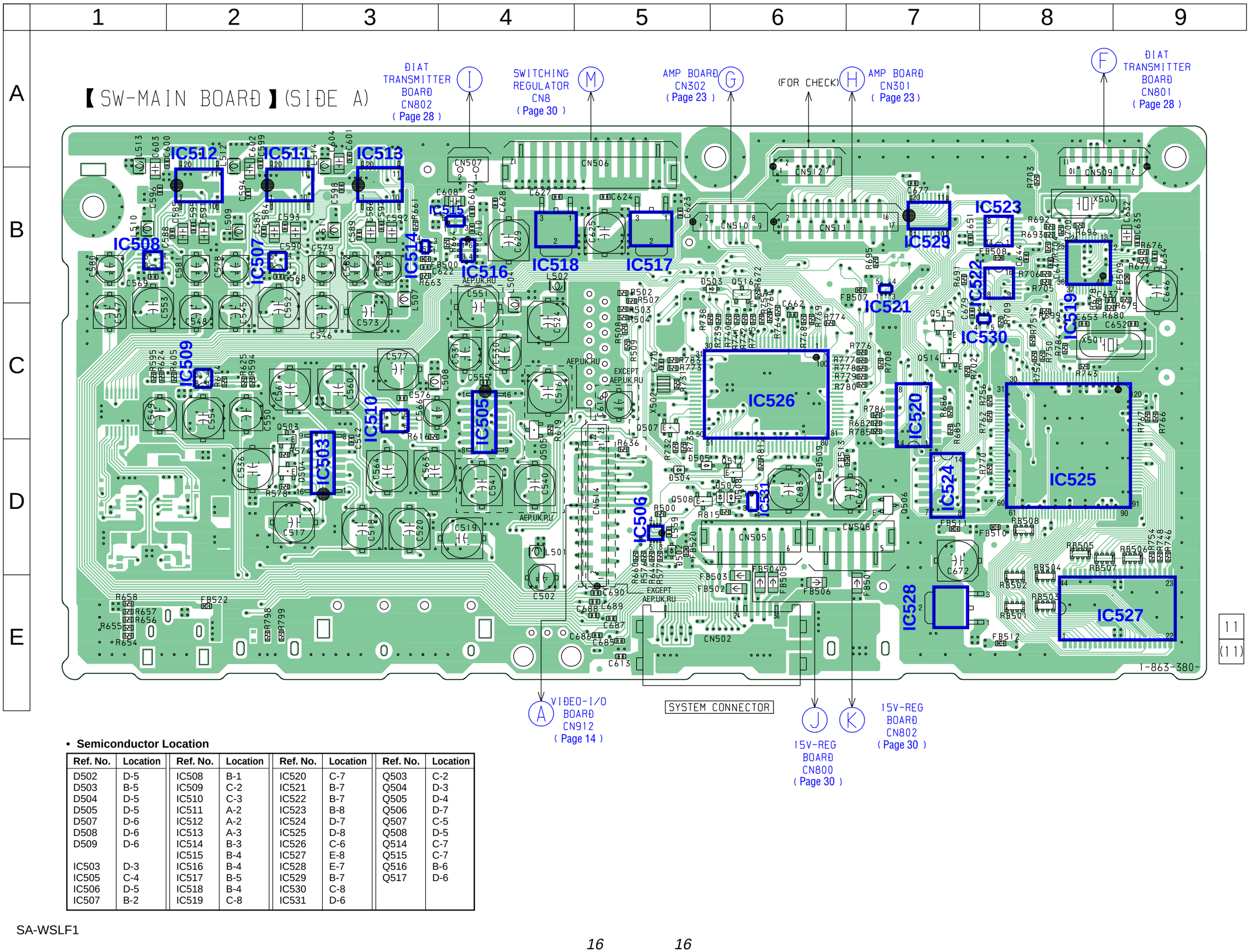
• See page 32 for IC Block Diagrams.



4-5. PRINTED WIRING BOARD — SW-MAIN SECTION (SIDE A) —

:Uses unleaded solder.

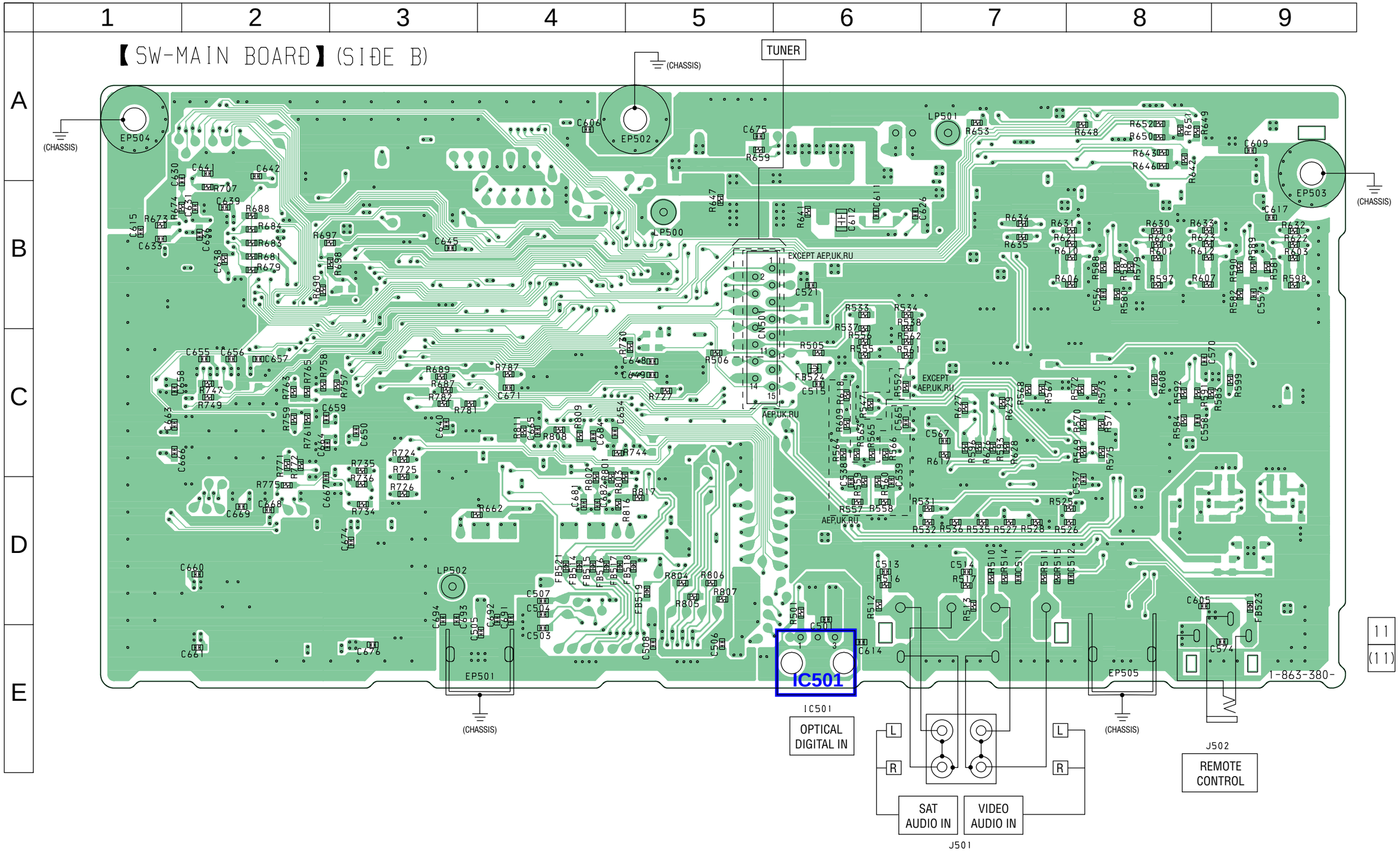
• See page 8 for Circuit Boards Location.



• **Semiconductor Location**

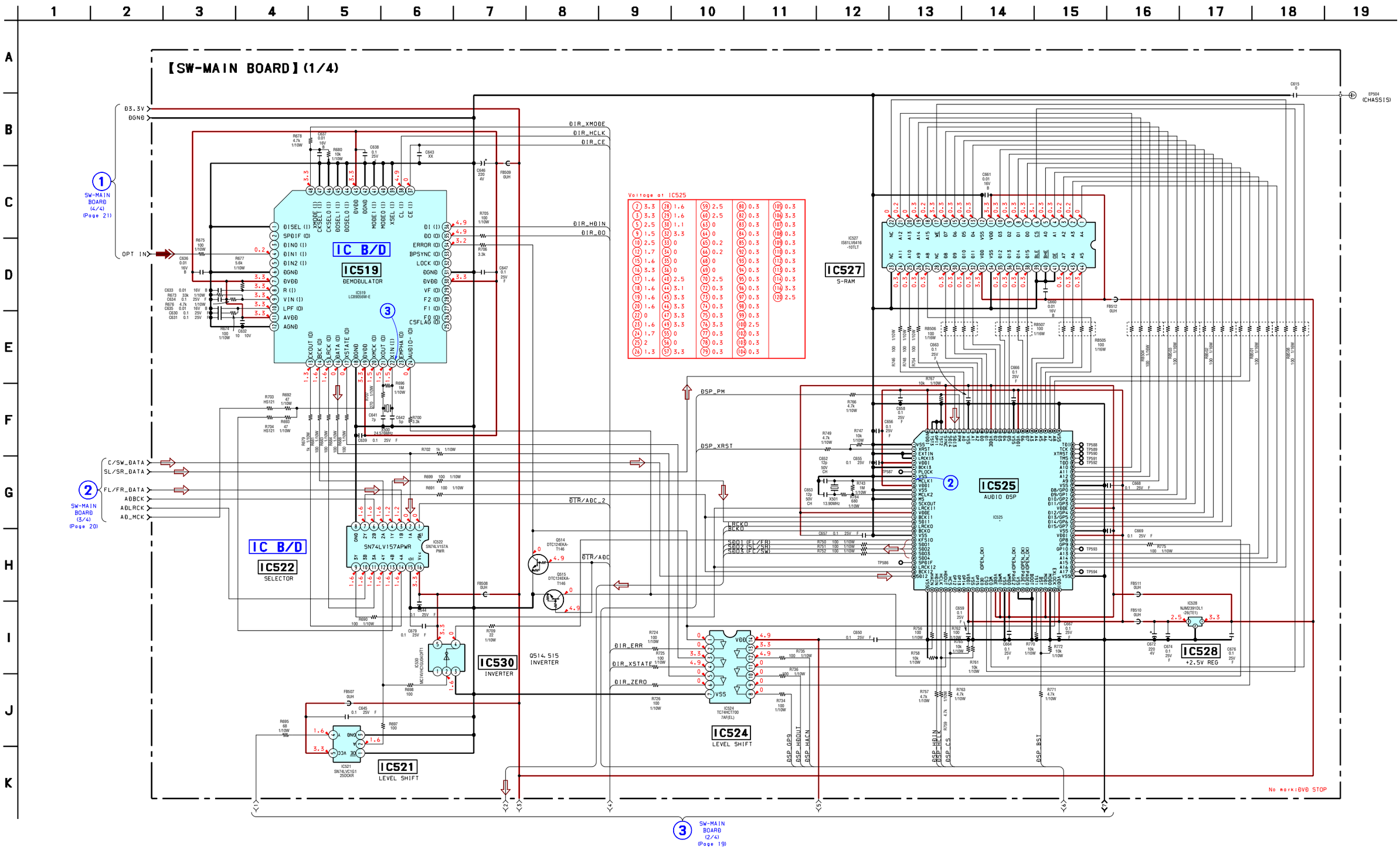
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D502	D-5	IC508	B-1	IC520	C-7	Q503	C-2
D503	B-5	IC509	C-2	IC521	B-7	Q504	D-3
D504	D-5	IC510	C-3	IC522	B-7	Q505	D-4
D505	D-5	IC511	A-2	IC523	B-8	Q506	D-7
D507	D-6	IC512	A-2	IC524	D-7	Q507	C-5
D508	D-6	IC513	A-3	IC525	D-8	Q508	D-5
D509	D-6	IC514	B-3	IC526	C-6	Q514	C-7
		IC515	B-4	IC527	E-8	Q515	C-7
IC503	D-3	IC516	B-4	IC528	E-7	Q516	B-6
IC505	C-4	IC517	B-5	IC529	B-7	Q517	D-6
IC506	D-5	IC518	B-4	IC530	C-8		
IC507	B-2	IC519	C-8	IC531	D-6		

4-6. PRINTED WIRING BOARD — SW-MAIN SECTION (SIDE B) — :Uses unleaded solder. • **See page 8 for Circuit Boards Location.**



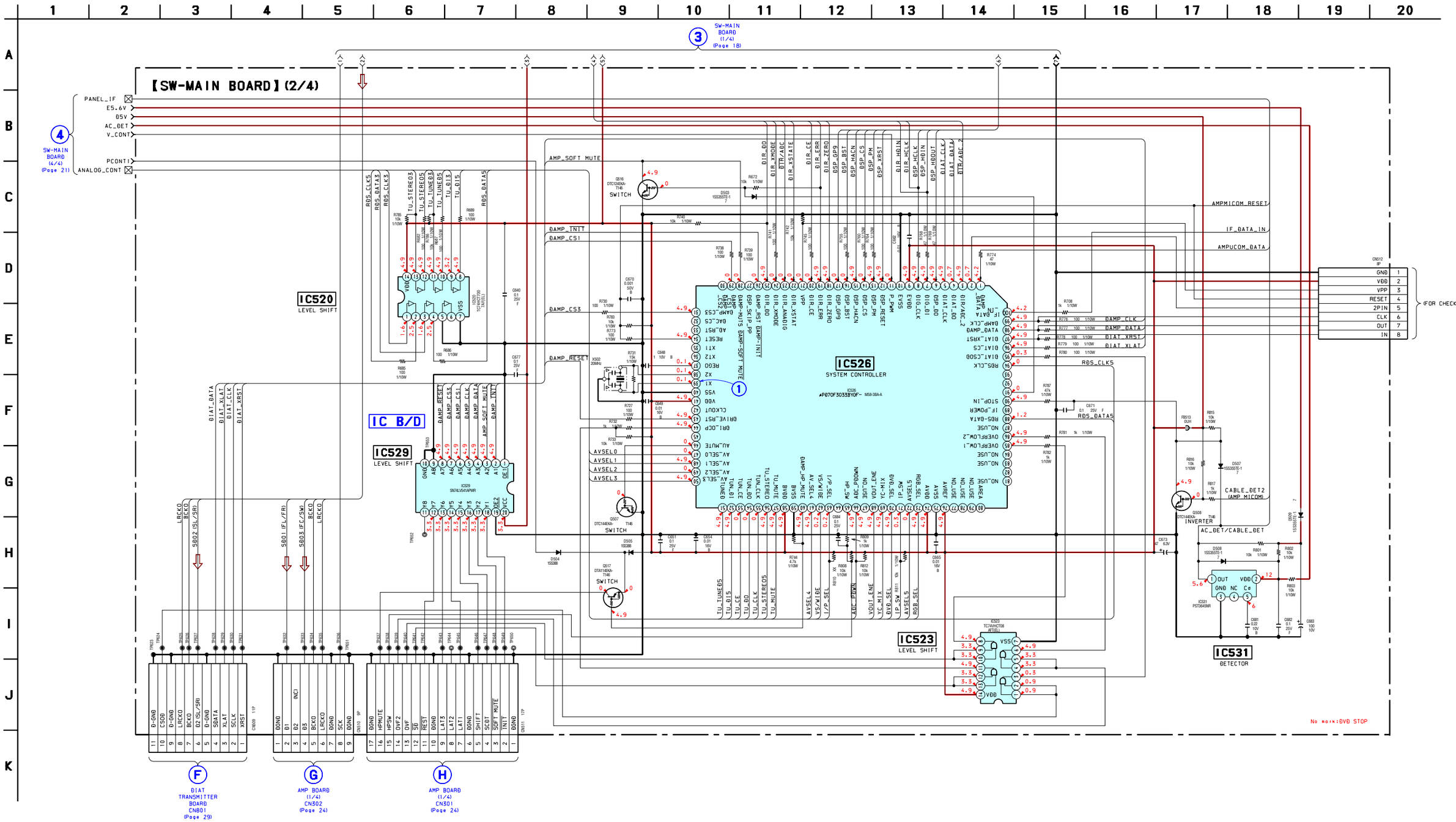
4-8. SCHEMATIC DIAGRAM — SW-MAIN SECTION (1/4) —

• See page 33 for IC Block Diagrams. • See page 32 for Waveforms. • See page 36 for IC Pin Function Description.



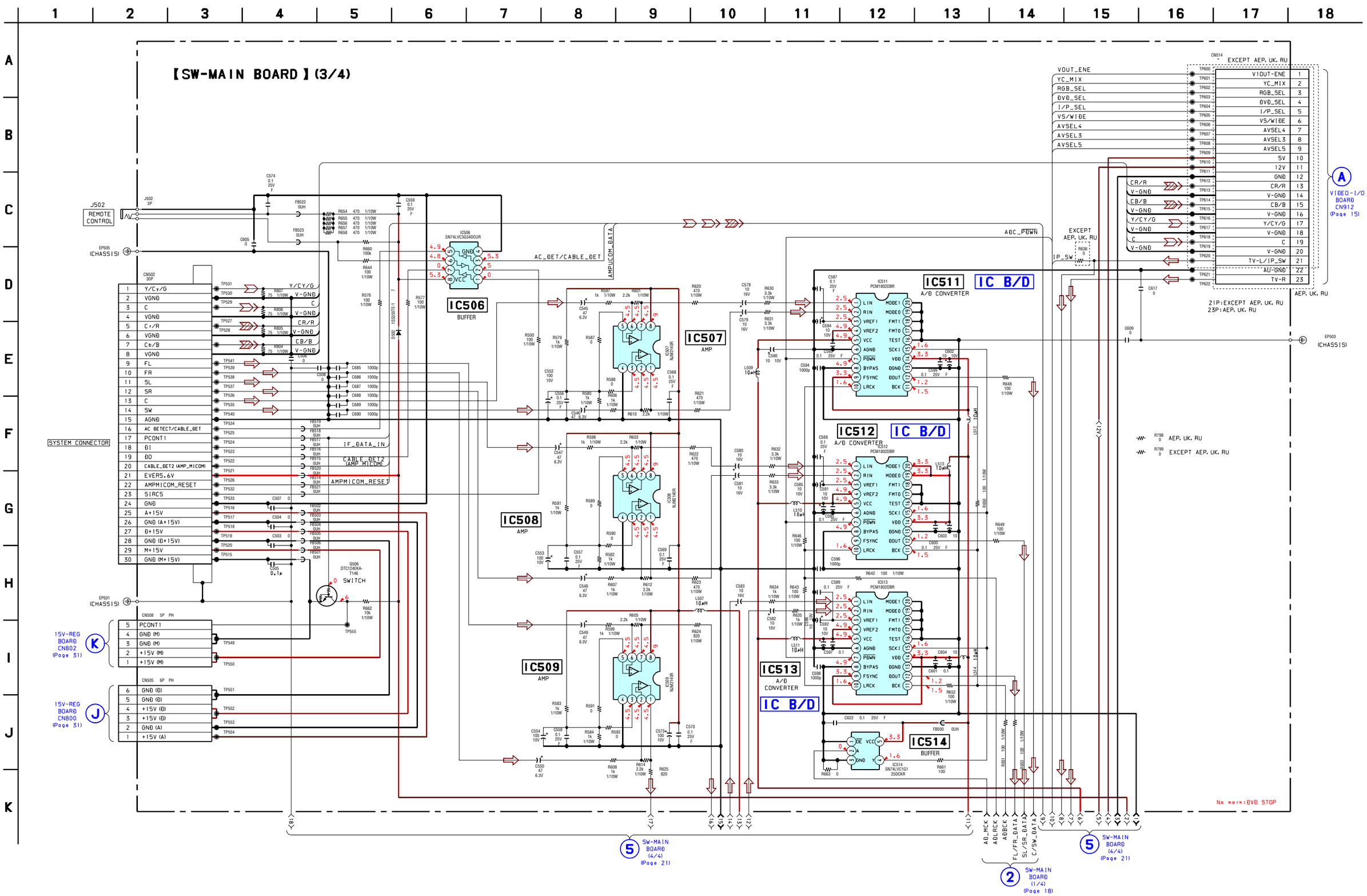
4-9. SCHEMATIC DIAGRAM — SW-MAIN SECTION (2/4) —

• See page 32 for IC Block Diagrams. • See page 32 for Waveforms. • See page 39 for IC Pin Function Description.



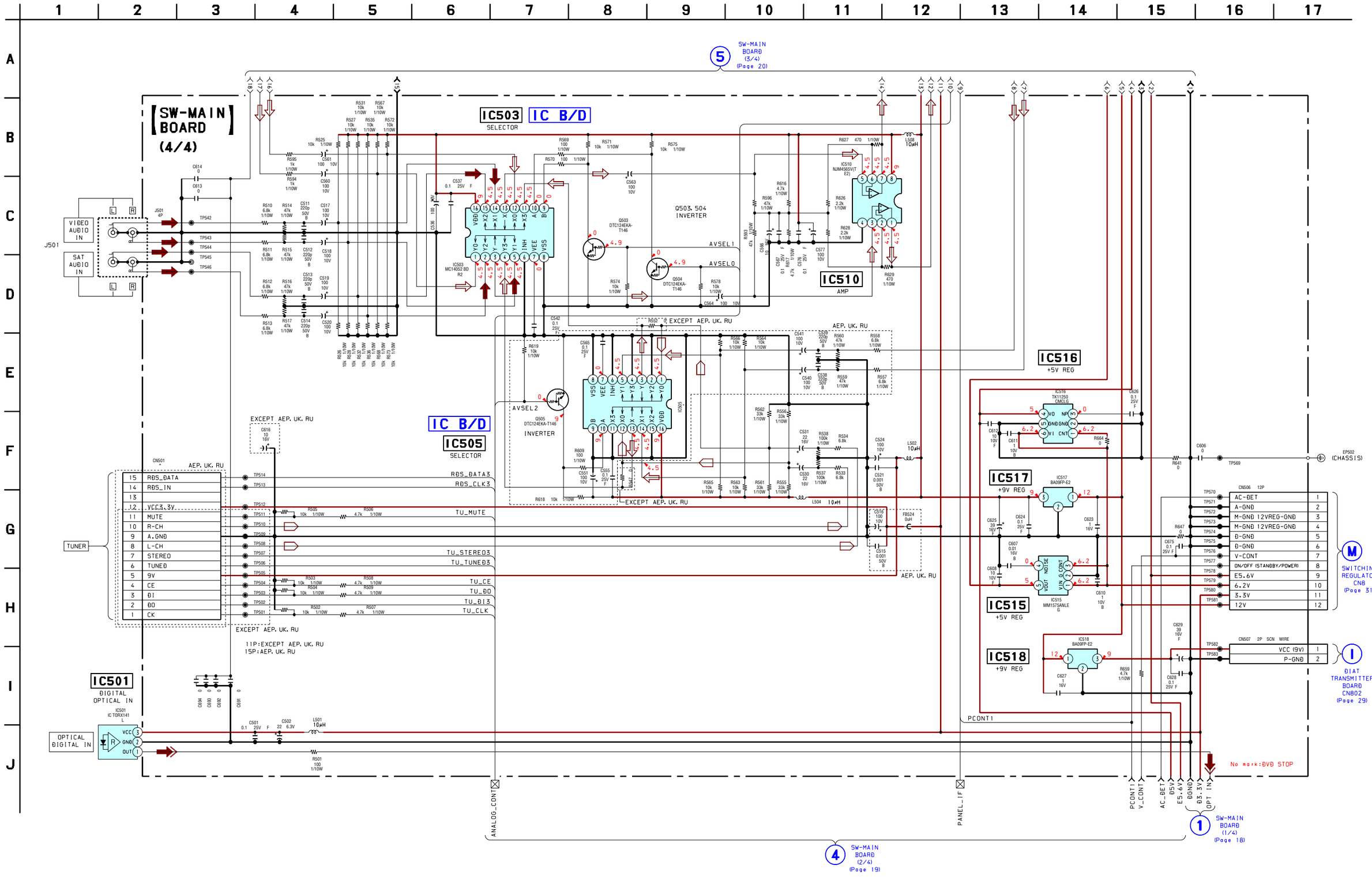
4-10. SCHEMATIC DIAGRAM — SW-MAIN SECTION (3/4) —

• See page 33 for IC Block Diagrams.



4-11. SCHEMATIC DIAGRAM — SW-MAIN SECTION (4/4) —

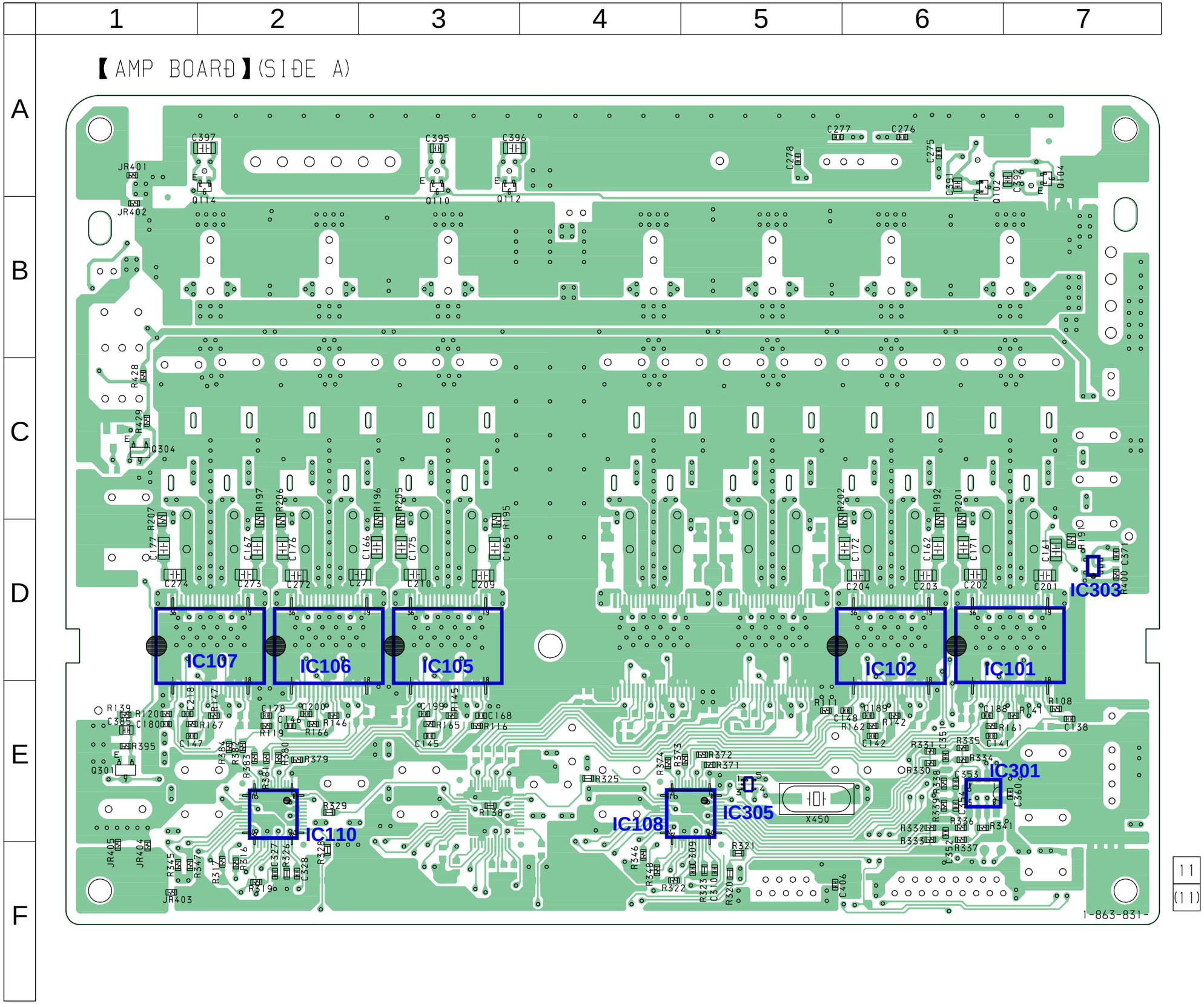
• See page 33 for IC Block Diagrams.



4-12. PRINTED WIRING BOARD — AMP SECTION (SIDE A) —

:Uses unleaded solder. • See page 8 for Circuit Boards Location.

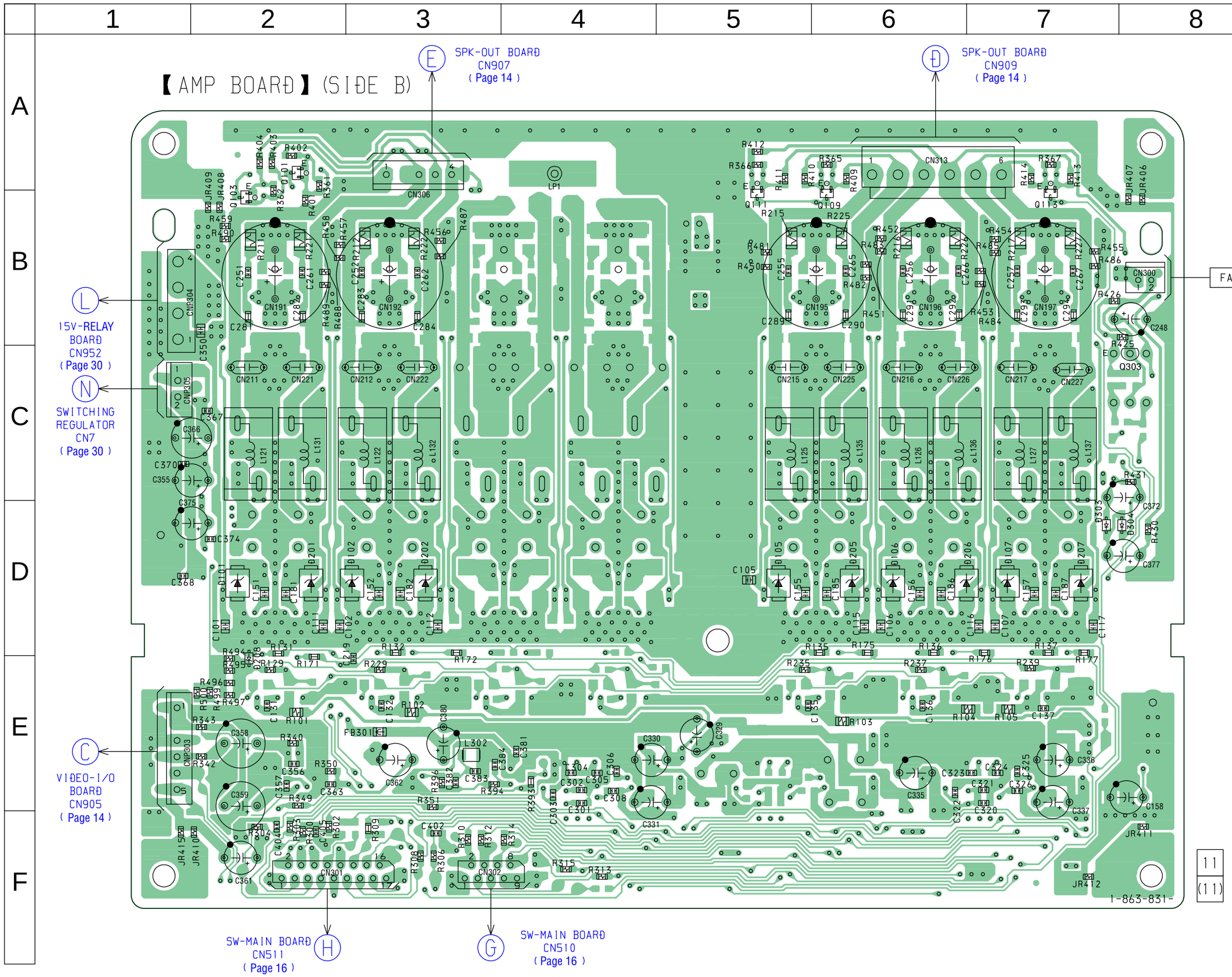
【AMP BOARD】(SIDE A)



• **Semiconductor Location**

Ref. No.	Location
IC101	D-7
IC102	D-6
IC105	D-3
IC106	D-2
IC107	D-2
IC108	E-4
IC110	E-2
IC301	E-7
IC303	D-7
IC305	E-5
Q102	A-6
Q104	A-7
Q110	B-3
Q112	B-3
Q114	B-2
Q301	E-1
Q304	C-1

4-13. PRINTED WIRING BOARD — AMP SECTION (SIDE B) — :Uses unleaded solder. • **See page 8 for Circuit Boards Location.**

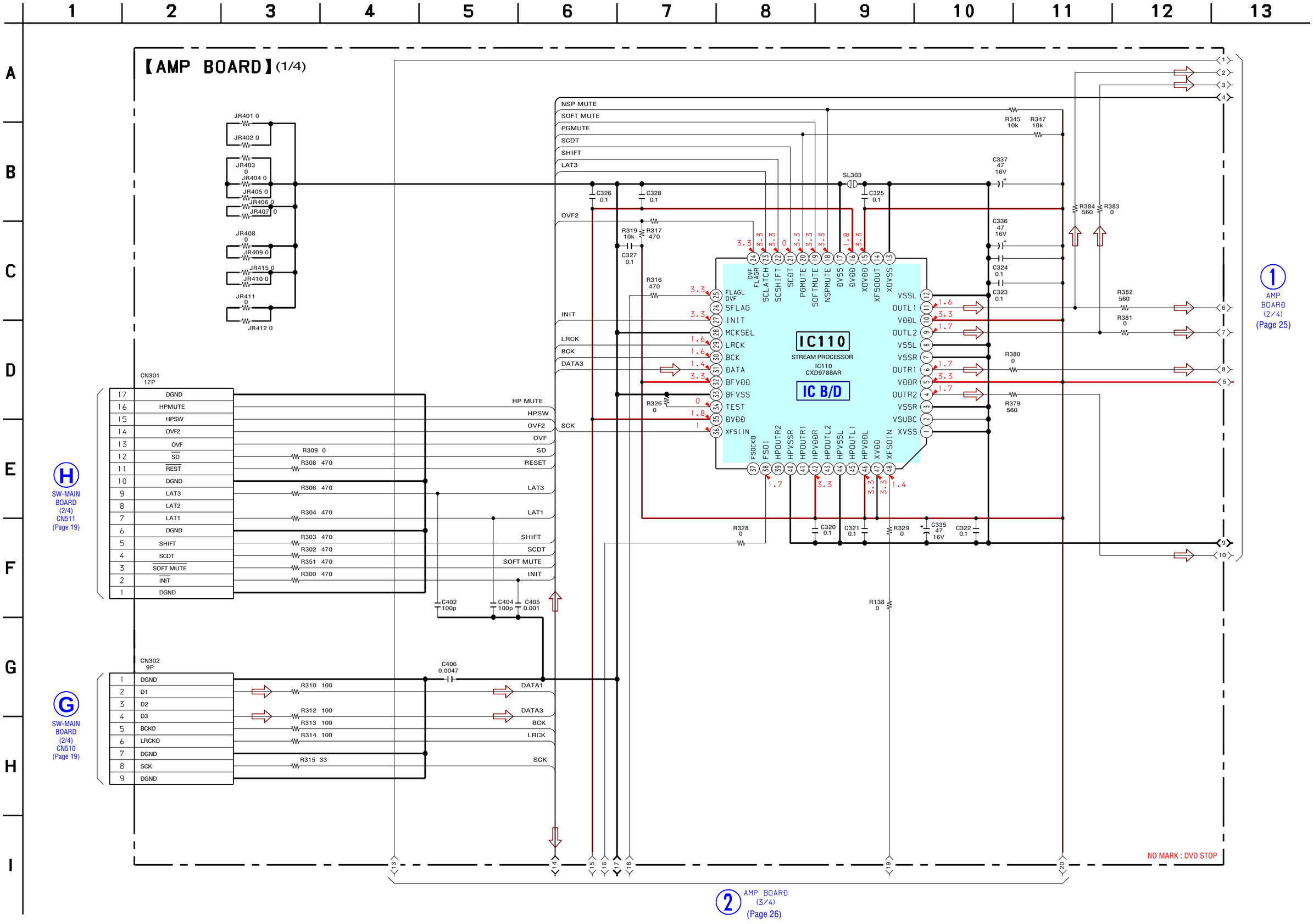


- **Semiconductor Location**

Ref. No.	Location
D101	D-2
D102	D-3
D105	D-5
D106	D-6
D107	D-7
D201	D-2
D202	D-3
D205	D-6
D206	D-7
D207	D-7
D208	E-2
D303	D-7
D304	D-8
Q101	A-2
Q103	B-2
Q109	B-6
Q111	B-5
Q113	B-7
Q303	B-8

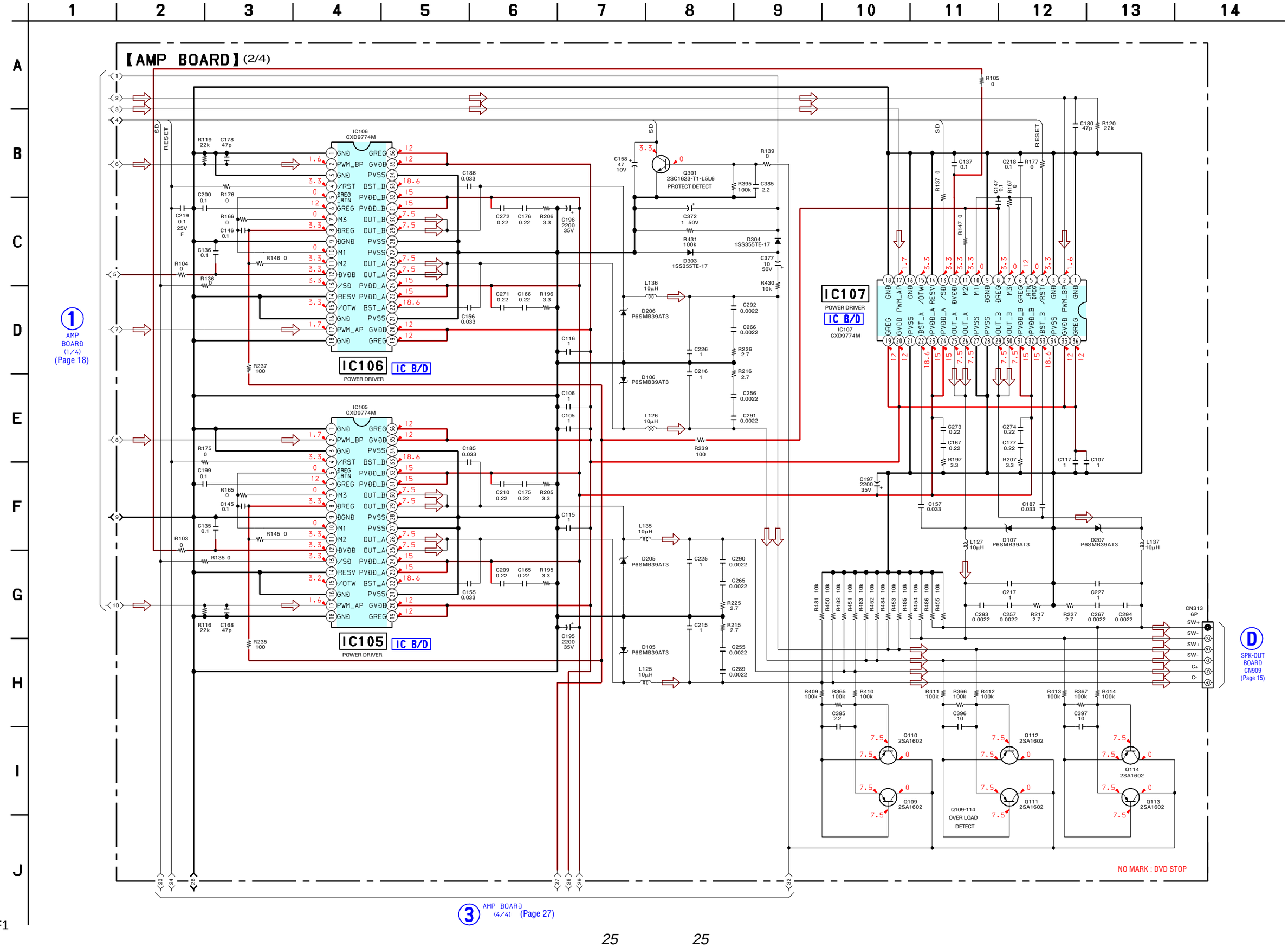
4-14. SCHEMATIC DIAGRAM — AMP SECTION (1/4) —

• See page 34 for IC Block Diagrams.



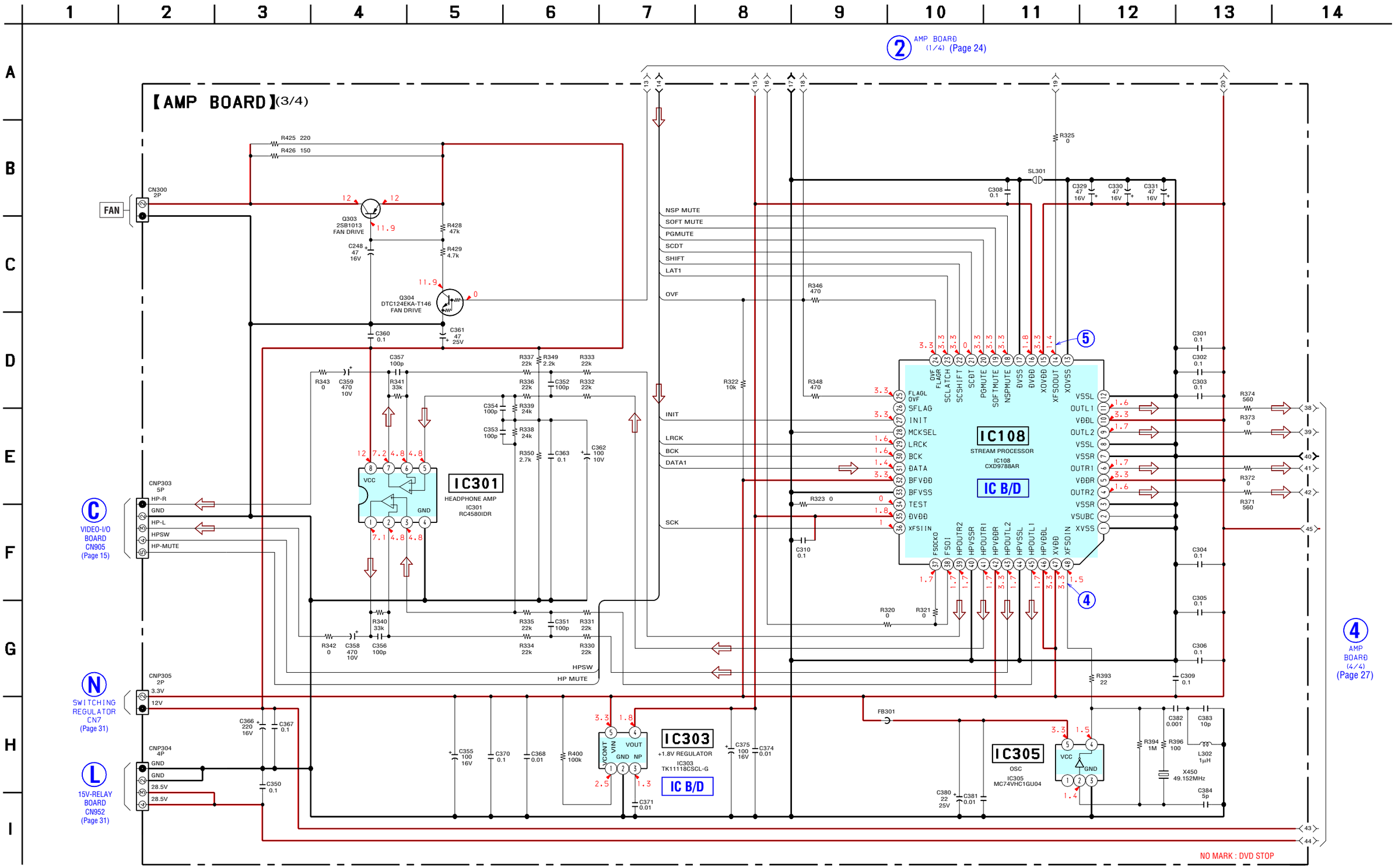
4-15. SCHEMATIC DIAGRAM — AMP SECTION (2/4) —

• See page 34 for IC Block Diagrams.



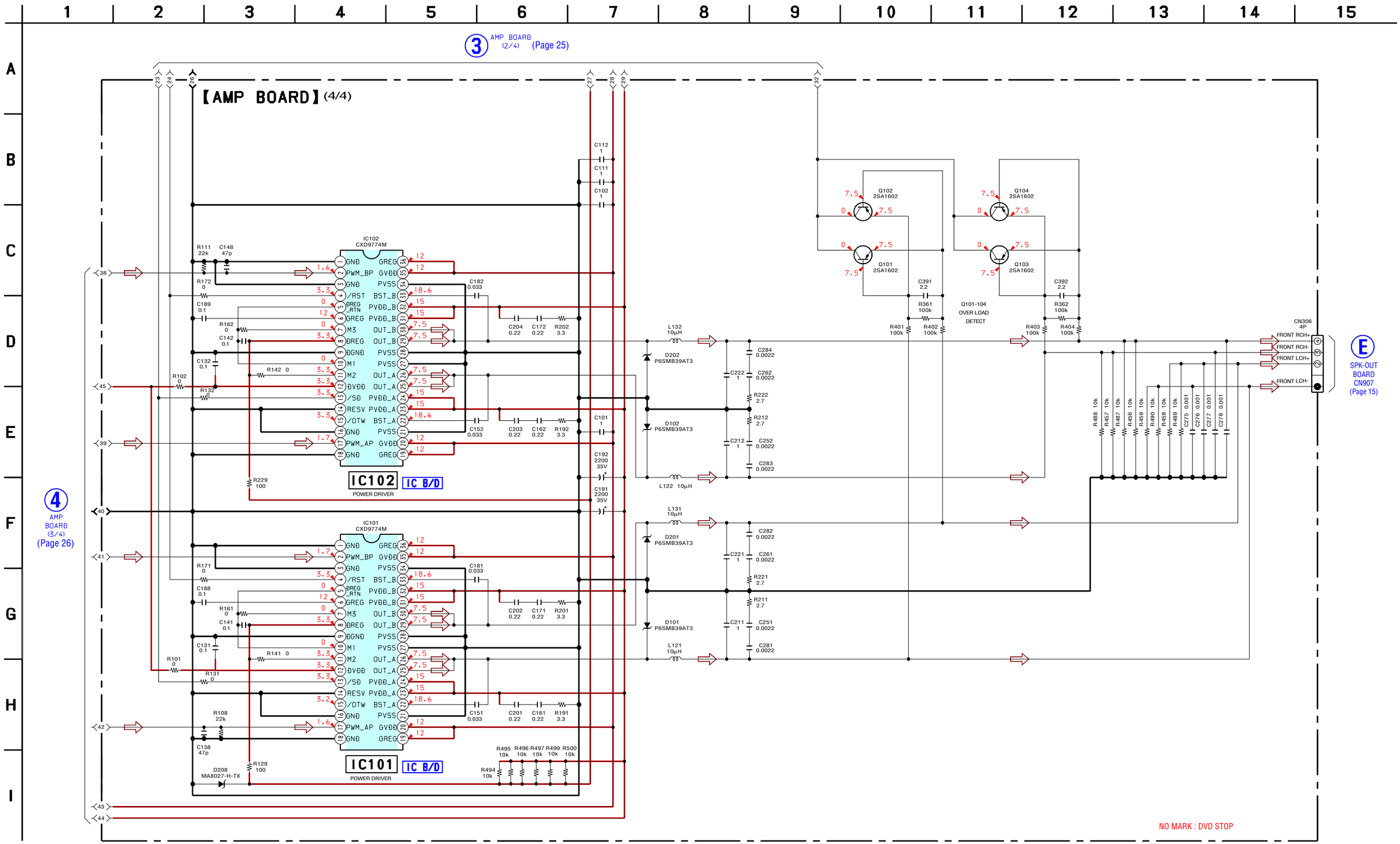
4-16. SCHEMATIC DIAGRAM — AMP SECTION (3/4) —

• See page 34 for IC Block Diagrams. • See page 32 for Waveforms.



4-17. SCHEMATIC DIAGRAM — AMP SECTION (4/4) —

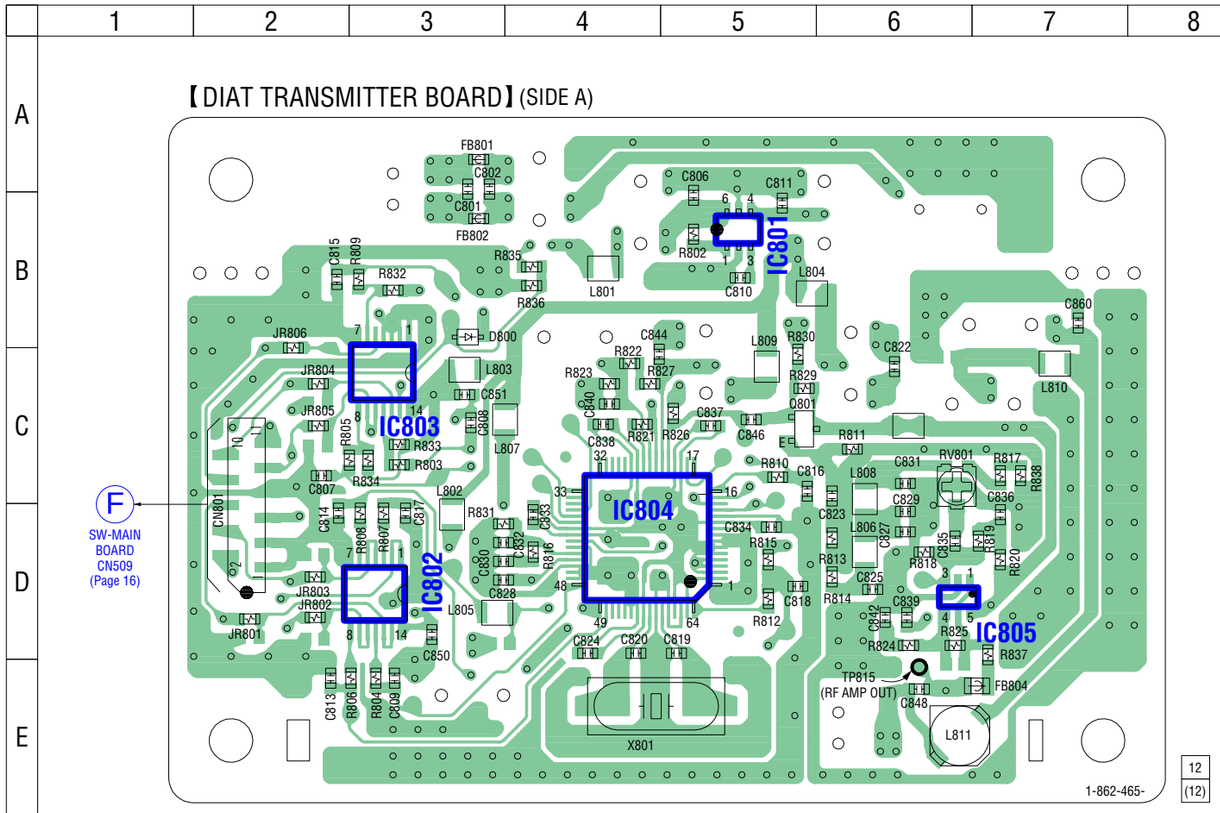
• See page 34 for IC Block Diagrams.



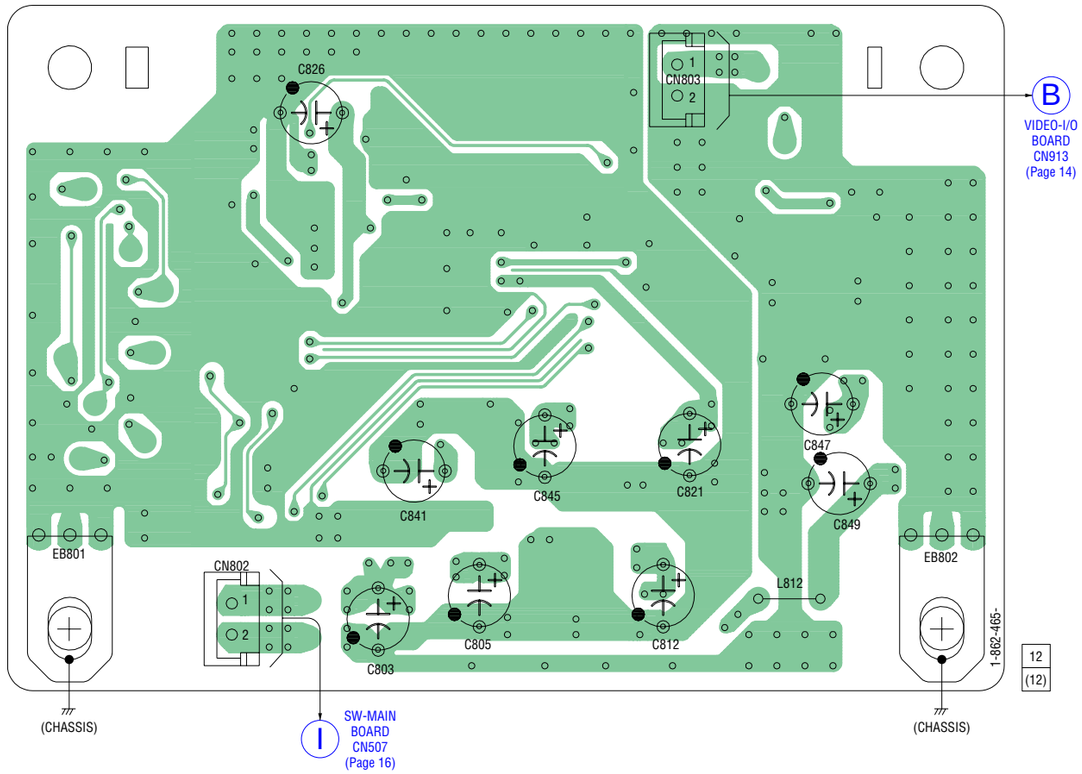
4-18. PRINTED WIRING BOARD — DIAT TRANSMITTER SECTION —

:Uses unleaded solder. • See page 8 for Circuit Boards Location.

【DIAT TRANSMITTER BOARD】(SIDE A)



【DIAT TRANSMITTER BOARD】(SIDE B)

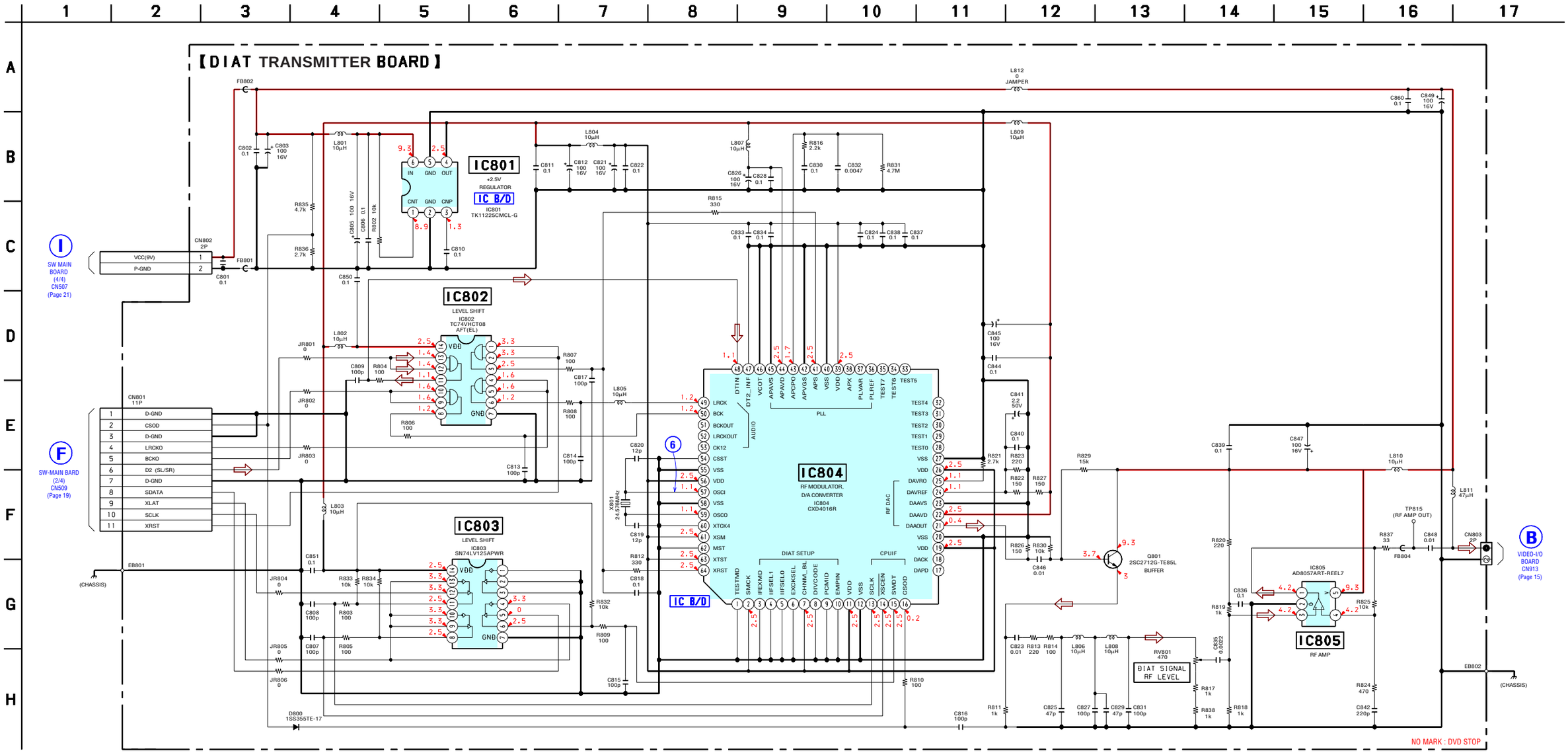


- **Semiconductor Location**

Ref. No.	Location
D800	B-3
IC801	B-5
IC802	D-3
IC803	C-3
IC804	C-4
IC805	E-6
Q801	C-5

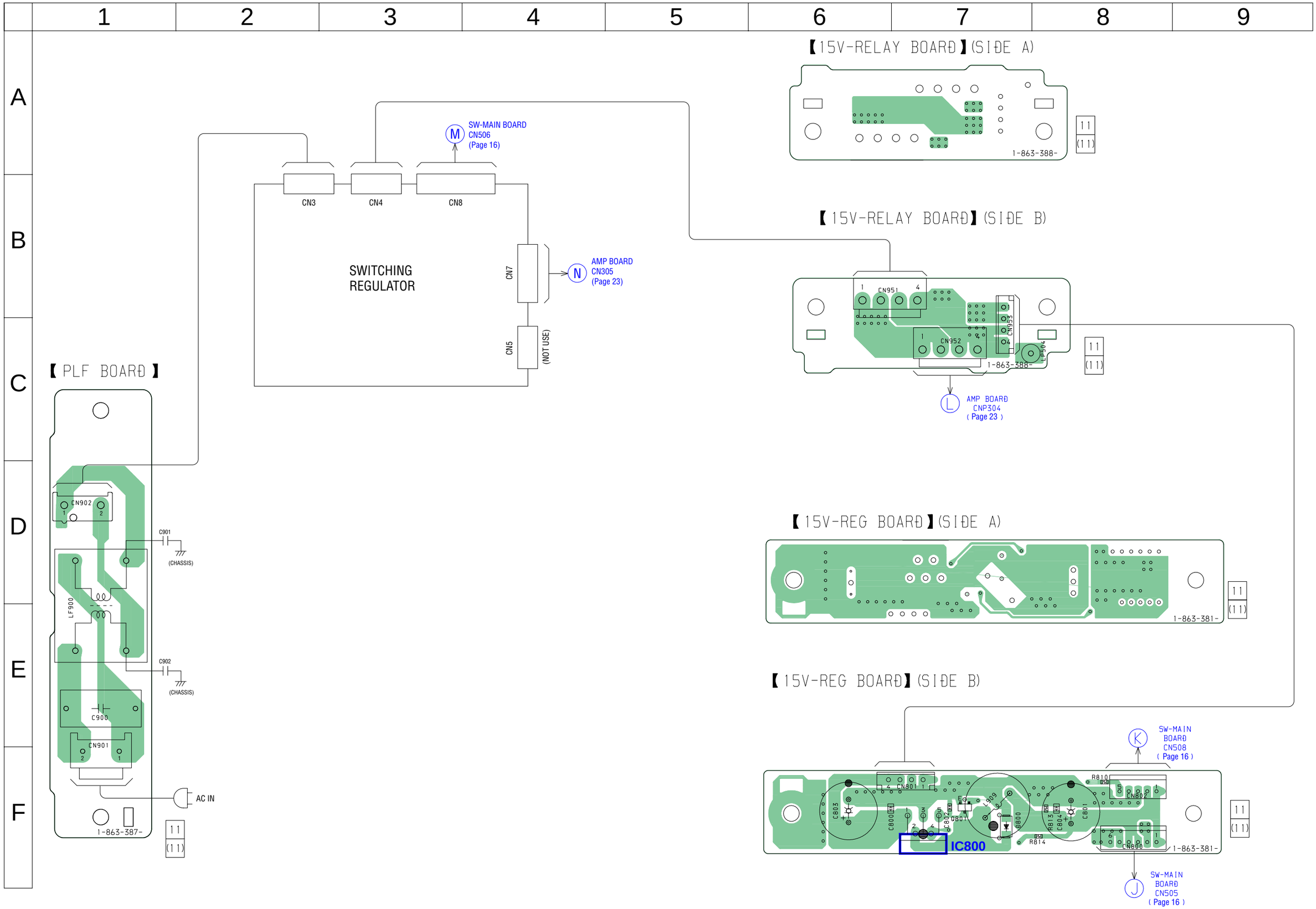
4-19. SCHEMATIC DIAGRAM — DIAT TRANSMITTER SECTION —

• See page 35 for IC Block Diagrams. • See page 32 for Waveform.

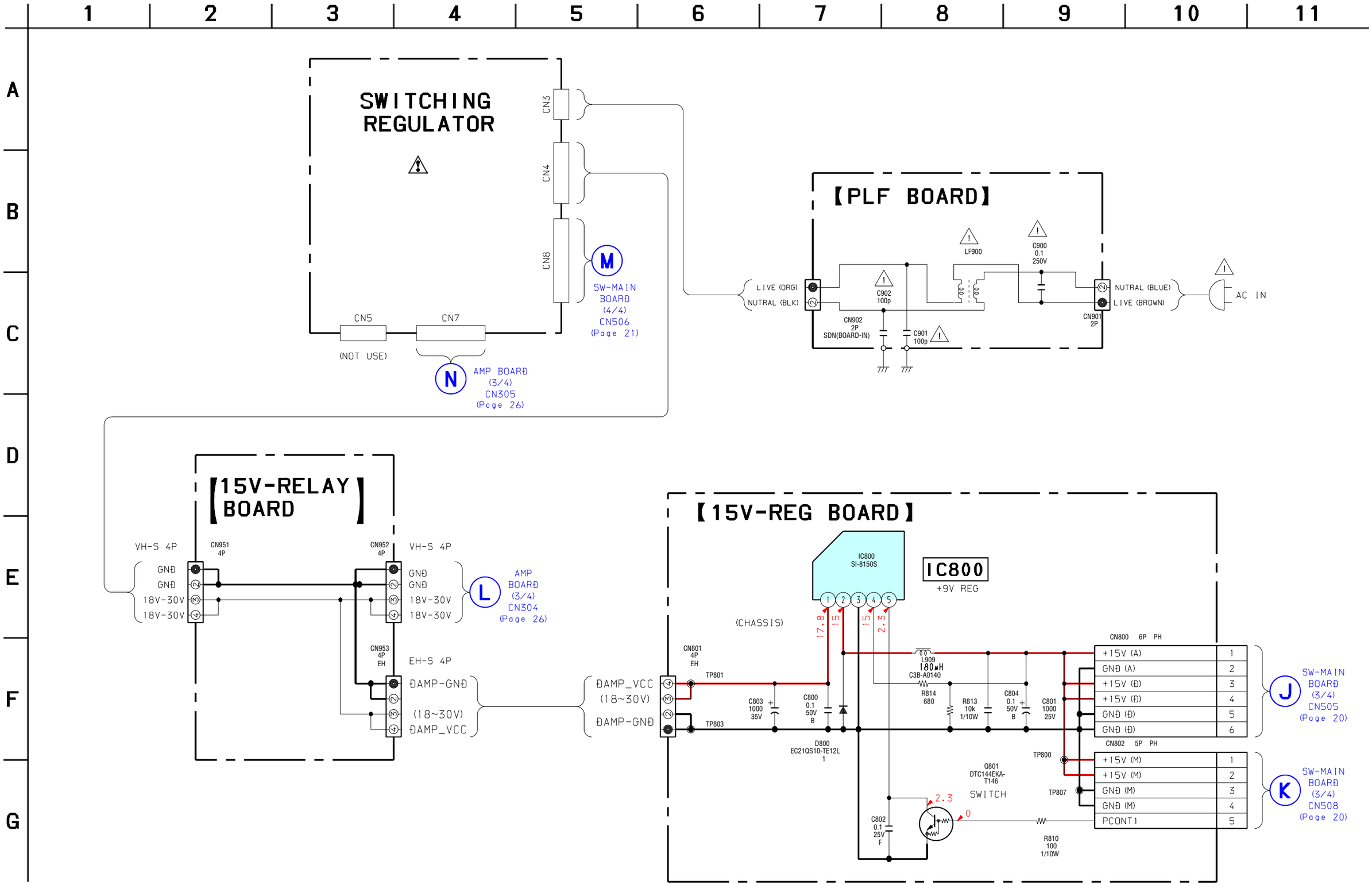


4-20. PRINTED WIRING BOARD — POWER SECTION —

:Uses unleaded solder. • See page 8 for Circuit Boards Location.



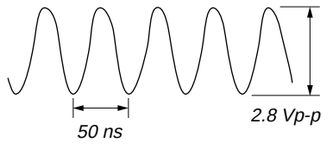
4-21. SCHEMATIC DIAGRAM — POWER SECTION —



- **Waveforms**

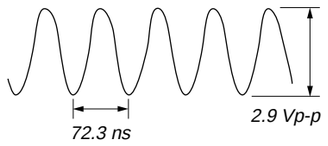
– SW-MAIN Board –

① IC526 ㊴ (X1)



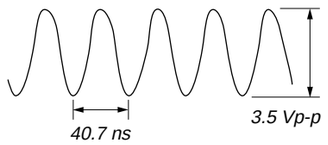
1 V/DIV, 40 ns/DIV

② IC525 ⑨ (MCLK1)



1 V/DIV, 40 ns/DIV

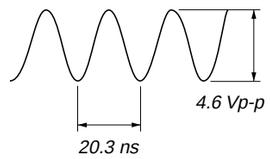
③ IC519 ㉒ (XIN(I))



1 V/DIV, 20 ns/DIV

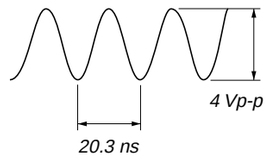
– AMP Board –

④ IC108 ㊽ (XFSOIN)



1 V/DIV, 20 ns/DIV

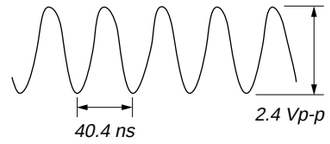
⑤ IC108 ⑭ (XFSOOUT)



1 V/DIV, 20 ns/DIV

– DIAT TRANSMITTER Board –

⑥ IC804 ㊼ (OSC1)

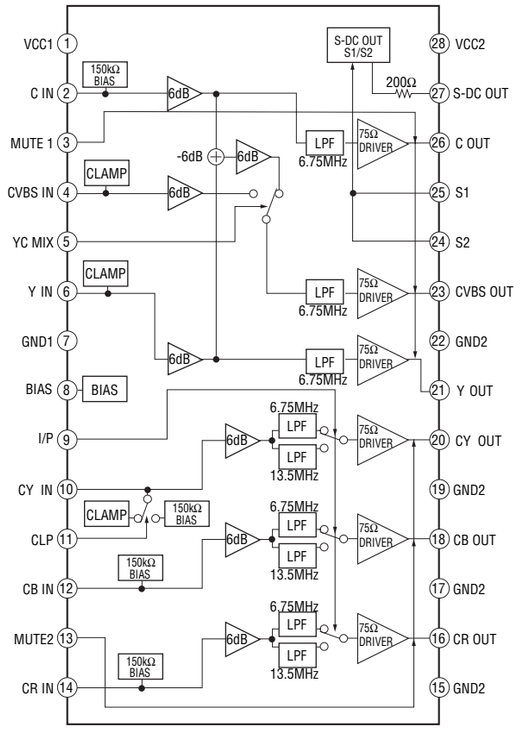


1 V/DIV, 20 ns/DIV

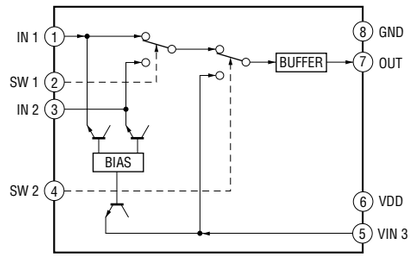
- **IC Block Diagrams**

– VIDEO-I/O Board –

IC902 MM1623BFBE

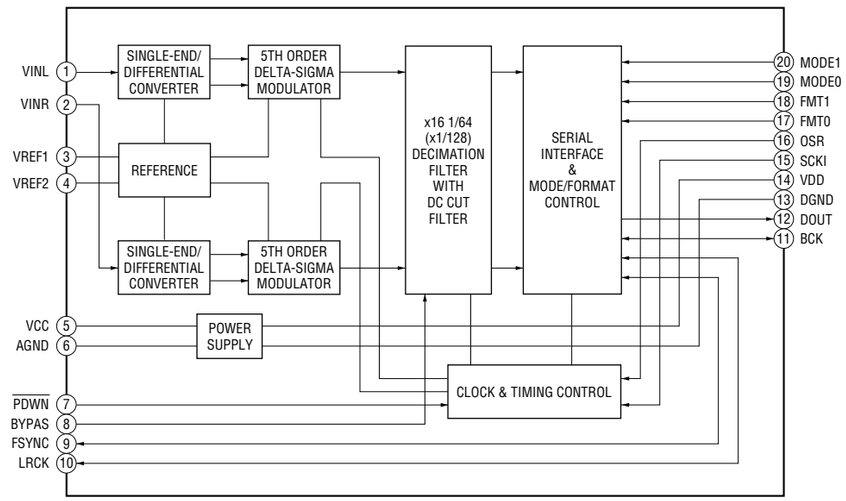


IC903 NJM2235V(TE2)

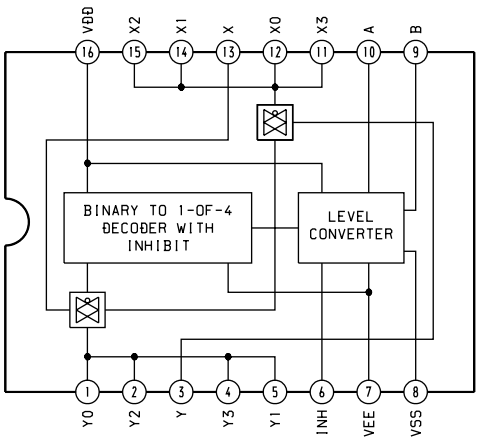


– SW-MAIN Board –

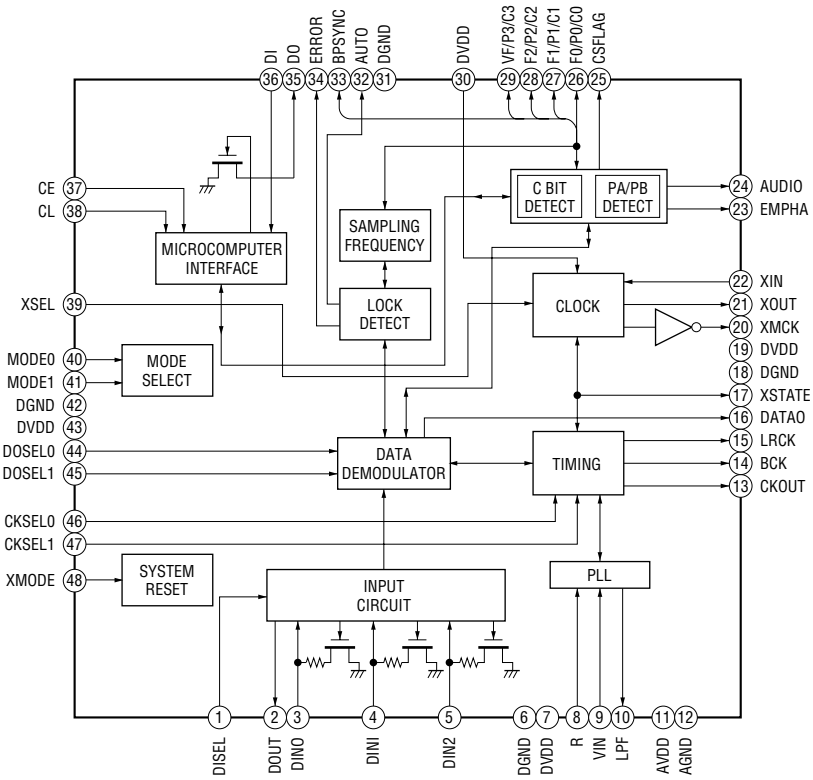
IC511-513 PCM1802DBR



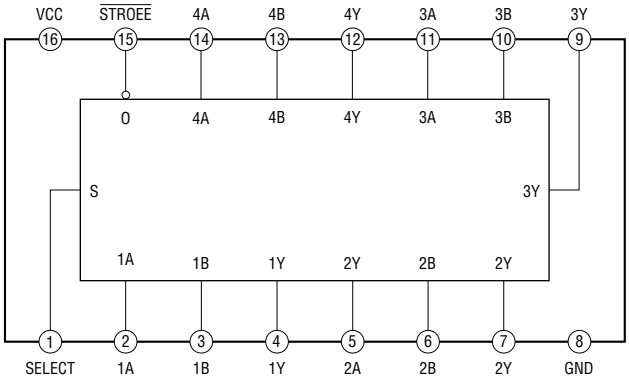
IC503, 505 MC14052BDR2



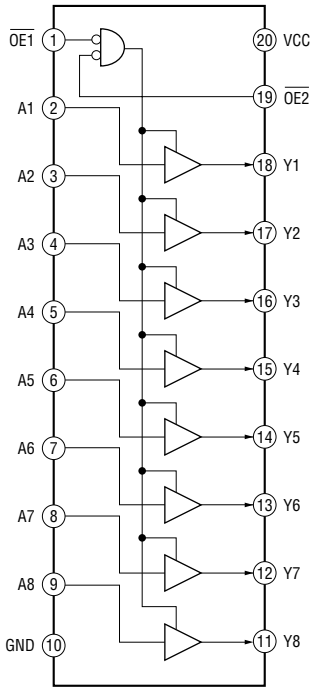
IC519 LC89056W-E



IC522 SN74LV157APWR

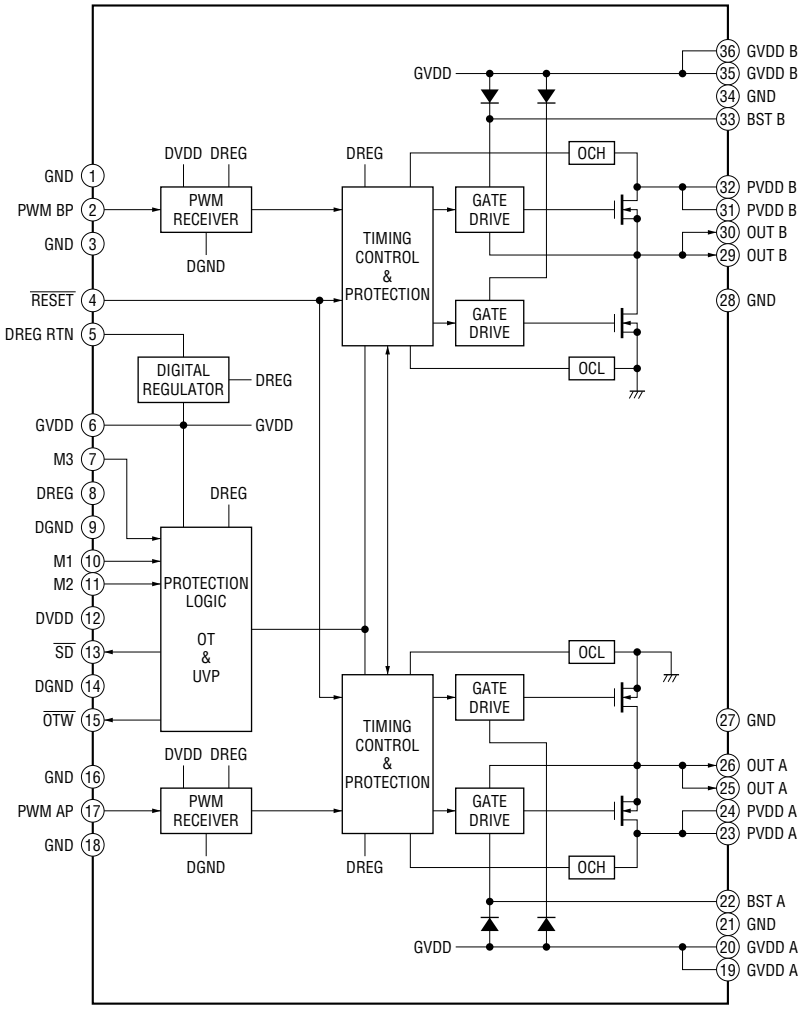


IC529 SN74LV541APWR

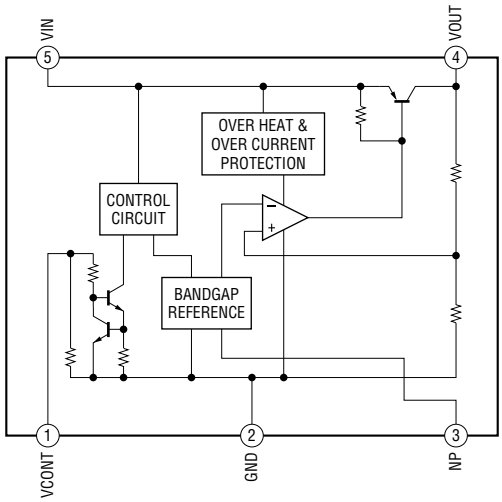


– AMP Board –

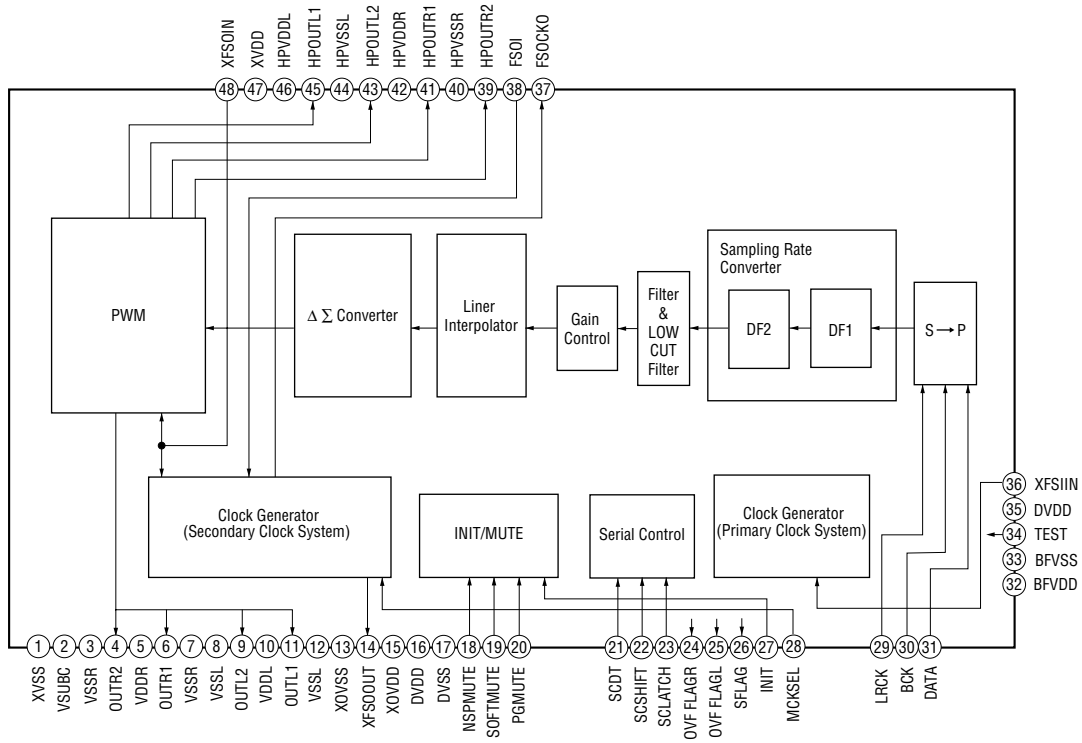
IC101, 102, 105-107 CXD9774M



IC303 TK11118CSCL-G

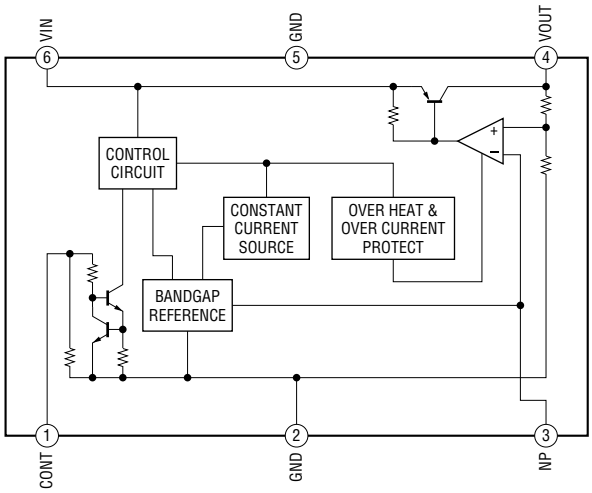


IC108, 110 CXD9788AR

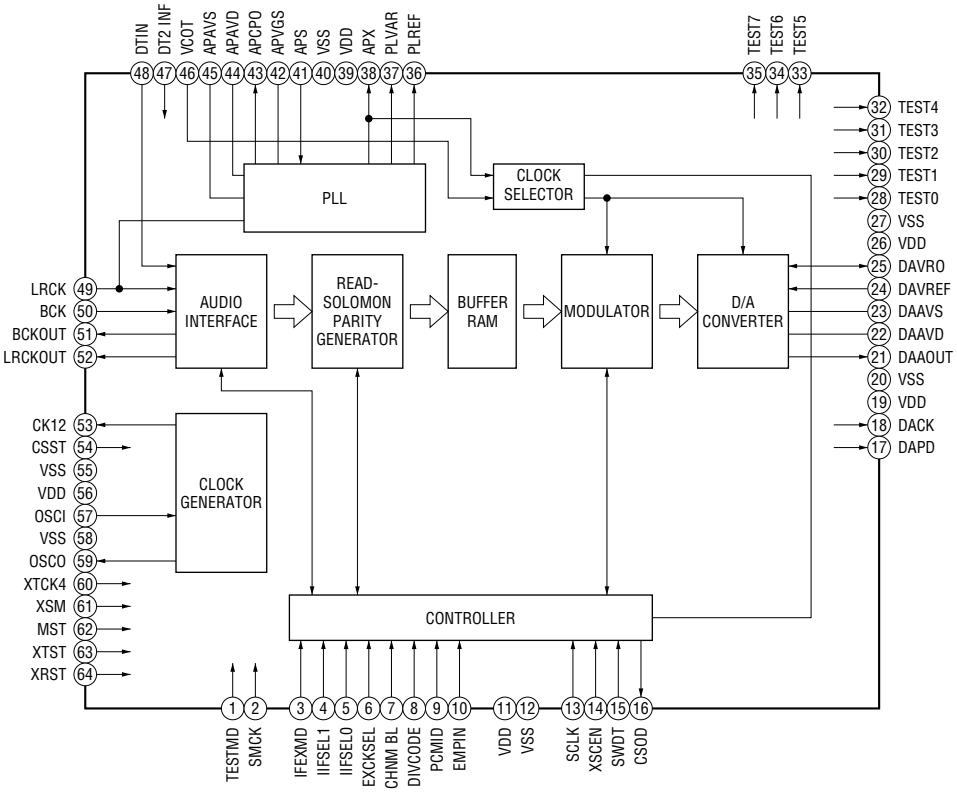


– DIAT TRANSMITTER Board –

IC801 TK11225CMCL-G



IC804 CXD4016R



• IC Pin Function Description

• SW-MAIN BOARD IC525 CXD9720BQ (AUDIO DSP)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	XRST	I	System reset signal input from the system controller “L”: reset
3	EXTIN	I	Master clock signal input terminal Not used
4	LRCKI3	I	L/R sampling clock signal input terminal Not used
5	VDDI	—	Power supply terminal (+2.6V)
6	BCKI3	I	Bit clock signal input terminal Not used
7	PLOCK	O	Internal PLL lock signal output terminal Not used
8	VSS	—	Ground terminal
9	MCLK1	I	System clock input terminal (13.9 MHz)
10	VDDI	—	Power supply terminal (+2.6V)
11	VSS	—	Ground terminal
12	MCLK2	O	System clock output terminal (13.9 MHz)
13	MS	I	Master/slave setting terminal “L”: internal clock, “H”: external clock Fixed at “L” in this set
14	SCKOUT	O	Internal system clock output to the D/A converter Not used
15	LRCKI1	I	L/R sampling clock signal input from the digital audio interface receiver
16	VDDE	—	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal input from the digital audio interface receiver
18	SDI1	I	Audio serial data input from the A/D converter
19	LRCKO	O	L/R sampling clock signal output to the D/A converter
20	BCKO	O	Bit clock signal output to the D/A converter
21	VSS	—	Ground terminal
22	KFSIO	I	Audio clock signal input from the digital audio interface receiver
23 to 25	SDO1 to SDO3	O	Audio serial data output to the D/A converter
26	SDO4	O	Audio serial data output terminal
27	SPDIF	O	SPDIF signal output terminal Not used
28	LRCKI2	I	L/R sampling clock signal input from the digital audio interface receiver
29	BCKI2	I	Bit clock signal input from the digital audio interface receiver
30	SDI2	I	Audio serial data input from the digital audio interface receiver
31	VSS	—	Ground terminal
32	HACN	O	Acknowledge signal output to the system controller
33	HDIN	I	Serial data input from the system controller
34	HCLK	I	Serial data transfer clock signal input from the system controller
35	HDOUT	O	Serial data output to the system controller
36	HCS	I	Chip select input from the system controller
37	GP12	I	Write signal input from the system controller Not used
38	GP13	O	SD-RAM chip enable output terminal Not used
39	GP14	O	Row address strobe signal output terminal Not used
40	VDDI	—	Power supply terminal (+2.6V)
41	VSS	—	Ground terminal
42	GP15	O	Column address strobe signal output terminal Not used
43	OE0	O	Output terminal of data input/output mask Not used
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM
46	VDDE	—	Power supply terminal (+3.3V)
47	WMD1	I	External memory wait mode setting terminal Fixed at “H” in this set
48	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
49	WMD0	I	External memory wait mode setting terminal Fixed at “H” in this set
50	PAGE2	O	External memory page selection signal output terminal Not used
51	VSS	—	Ground terminal
52, 53	PAGE1, PAGE0	O	External memory page selection signal output terminal Not used
54	BOOT	I	Boot mode control signal input terminal Not used
55	TST1	O	Not used
56	BST	I	Boot strap signal input from the system controller
57	MOD1	I	Operation mode setting terminal “L”: enhanced mode, “H”: normal mode Fixed at “H” in this set
58	MOD0	I	Operation mode setting terminal “L”: single chip mode, “H”: can not use Fixed at “L” in this set
59	EXLOCK	I	PLL lock error signal and data error flag input from the digital audio interface receiver
60	VDDI	—	Power supply terminal (+2.6V)
61	VSS	—	Ground terminal
62, 63	A17, A16	O	Address signal output terminal
64 to 66	A15 to A13	O	Address signal output to the S-RAM
67	GP10	I	L/R sampling clock signal input terminal
68	GP9	O	Read ready signal output to the system controller
69	GP8	I	Channel status bit 1 input from the digital audio interface receiver
70	VDDI	—	Power supply terminal (+2.6V)
71	VSS	—	Ground terminal
72 to 75	D15 to D12	I/O	Two-way data bus with the S-RAM
76	VDDE	—	Power supply terminal (+3.3V)
77to 80	D11 to D8	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM
86	TDO	O	Simplicity emulation data output terminal Not used
87	TMS	I	Simplicity emulation data input start and end terminal Not used
88	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
89	TCK	I	Simplicity emulation clock signal input terminal Not used
90	TDI	I	Simplicity emulation data input terminal Not used
91	VSS	—	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM
100	VDDI	—	Power supply terminal (+2.6V)
101	VSS	—	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM
106	VDDE	—	Power supply terminal (+3.3V)
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM
109, 110	A2, A1	O	Address signal output to the S-RAM
111	VSS	—	Ground terminal
112	A0	O	Address signal output to the S-RAM
113	PM	I	PLL initialize signal input from the system controller
114, 115	SDI3, SDI4	I	Audio serial data input terminal Not used
116	SYNC	I	Sync/non-sync setting terminal “L”: sync, “H”: non-sync Fixed at “H” in this set
117	TST2	I	Not used

Pin No.	Pin Name	I/O	Description
118	GP11	I	Not used
119	TST3	I	Not used
120	VDDI	—	Power supply terminal (+2.6V)

• SW-MAIN BOARD IC526 uPD703033BYGF-M58-3BA-A (SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DAMP DATA	O	Data output to the Control Unit (HCD-LF1)
2	TE AMP	—	Not used
3	DIR/ADC 2	O	Selector signal output to the IC SELECTOR
4	DIAT DO	O	Diat data signal output
5	DIAT CLK	O	Diat clock signal output
6	DSP DO	I	Data signal input from the AUDIO DSP
7	DIG DI	O	Data signal output to the DEMODULATOR
8	DIG CLK	O	Clock data output to the DEMODULATOR
9	EVDD	—	Power Supply (+5V)
10	EVSS	—	Terminal Ground
11	P PWM	O	Voltage control output to the switching regulator
12	DSP RESET	O	Reset signal output to the AUDIO DSP
13	DSP PM	O	PM signal output to the AUDIO DSP
14	DSP CS	O	Chip enable signal output to the AUDIO DSP
15	DSP HACN	I	HACN signal input from the AUDIO DSP
16	DSP BST	O	BST signal output to the AUDIO DSP
17	DSP GP9	I	GP9 signal input from the AUDIO DSP
18	DIR ZERO	I	ZERO data input from the DEMODULATOR
19	DIR ERR	I	ERR data input from the DEMODULATOR
20	DIR CE	O	Chip enable signal output to the DEMODULATOR
21	VPP	—	Not used
22	DIR XSTAT	I	XSTAT signal input from the DEMODULATOR
23	DIR ANADIG	O	ERROR signal output to the DEMODULATOR
24	DIR XMODE	O	MODE signal output to the DEMODULATOR
25	DIR DO	O	DATA signal output to the DEMODULATOR
26	DAMP INT	O	Reset signal output to the stream processor
27	DSP SKIP PP	—	Not used
28	DAMP MUTS	O	Soft muting on/off signal output to the stream processor
29	DAMP SI	O	Latch control signal output to the stream processor
30	DAMP SO	—	Not used
31	DAMP CS3	O	Latch control signal output to the stream processor
32	DAC CS	O	Chip enable signal output to the DAC
33	AD RST	O	Reset signal output to the DAC
34	RESET	I	System Reset signal input
35	XT1	—	Not used
36	XT2	—	Not used
37	REGO	O	Reference voltage output
38	X2	O	Oscillator signal output
39	X1	I	Oscillator signal input
40	VSS	—	Terminal Ground
41	VDD	—	Power Supply (+5V)
42	CLKOUT	—	Not used
43	DRIVE RST	O	System Reset signal output to the power driver
44	DRI OCP	I	Over load detect signal input
45	NC	—	Not used
46	AU MUTE	O	Audio mute signal output
47	AV SEL0	O	Audio input selection signal output terminal

Pin No.	Pin Name	I/O	Description
48	AV SEL1	O	Audio input selection signal output terminal
49	AV SEL2	O	Audio input selection signal output terminal
50	AV SEL3	O	Video input selection signal output terminal
51	TUNED	I	Tuning detection signal input from the FM/AM tuner pack
52	TUN DI	I	Serial data signal intput from the FM/AM tuner pack
53	TUN CE	O	Serial chip enable signal output to the FM/AM tuner pack
54	TUN DO	O	Serial data signal output to the FM/AM tuner pack
55	TUN CLK	O	Serial data clock signal output to the FM/AM tuner pack
56	TU STEREO	I	Stereo data signal input from the FM/AM tuner pack
57	TU MUTE	O	Mute data signal output to the FM/AM tuner pack
58	BVDD	—	Power Supply (+5V)
59	BVSS	—	Terminal Ground
60	DAMP MP MUTE	O	Headphone muting on/off control signal output
61	AV SEL4	O	Video input selection signal output terminal
62	VS/WIDE	O	VS/WIDE signal output to the Video amp
63	I/P SEL	O	I/P signal output to the Video amp
64	NC	—	Not used
65	HP SW	I	Headphone detection signal input terminal
66	ADC PDWN	O	Power down signal output to the A/D converter
67	NC	—	Not used
68	VOUT ENE	O	VOUT control signal output terminal
69	YC MIX	O	YC MIX control signal output terminal
70	DVD SEL	O	Video output(DVD)selection signal output terminal
71	IP SW	I	IP SW signal input
72	AV SEL5	O	Video input selection signal output terminal
73	RGB SEL	O	Video output (RGB) selection signal output terminal
74	AVDD	—	Power Supply (+5V)
75	AVSS	—	Terminal Ground
76	AVREF	I	Reference voltage input terminal
77	NC	—	Not used
78	NC	—	Not used
79	NC	—	Not used
80	AREA	—	Not used
81	NC	—	Not used
82	NC	—	Not used
83	NC	—	Not used
84	NC	—	Not used
85	OVERFLOW 1	I	Overflow status 1 input stream processor
86	OVERFLOW 2	I	Overflow status 2 nput stream processor
87	NC	—	Not used
88	RDS—DATA	I	RDS serial data input from the FM/AM tuner pack
89	IF POWER	—	Not used
90	STOP IN	I	Stop signal input the Control Unit (HCD-LF1)
91	NC	—	Not used
92	NC	—	Not used
93	NC	—	Not used
94	RDS CLK	I	RDS clock input from the FM/AM tuner pack

Pin No.	Pin Name	I/O	Description
95	DIAT CSOD	O	Diat scod signal output
96	DIAT CS	O	Diat chip enable data signal output
97	DIAT XRST	O	Diat reset signal output
98	DAMP DATA	O	Data signal output to the stream processor
99	DAMP CLK	O	Clock signal output to the stream processor
100	IF DATA IN	I	Serial data signal input from the Control Unit (HCD-LF1)

SECTION 5
EXPLODED VIEWS

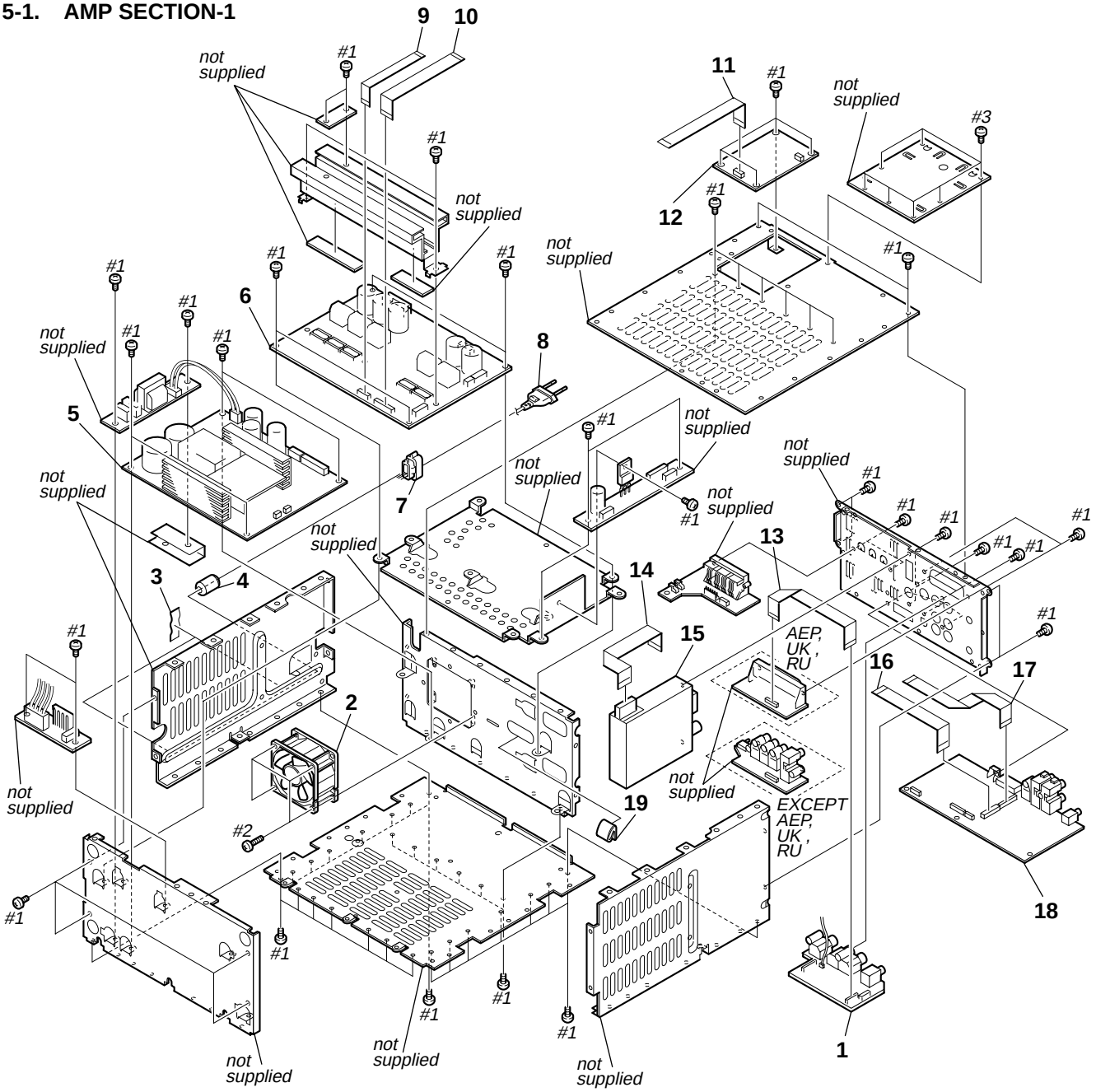
NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  CND : Canadian model
  E41 : Chilean and peruvian models
  EA : Saudi Arabia model
  HK : Hong Kong model
  KR : Korea model
  MX : Mexican model
  RU : Russian model
  SP : Singapore model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

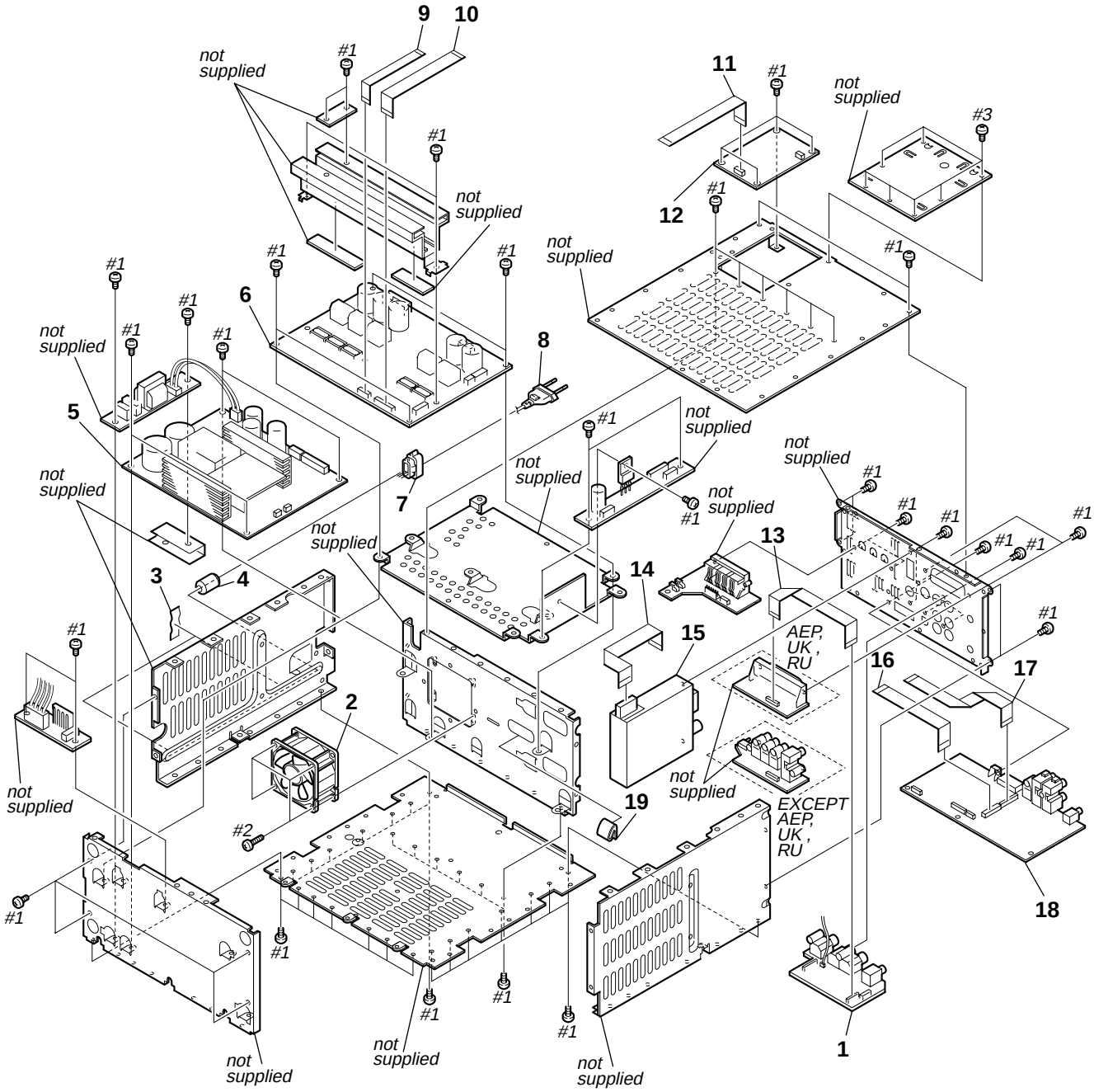
5-1. AMP SECTION-1



Ref. No.	Part No.	Description	Remark
1	A-1065-800-A	VIDEO-I/O BOARD, COMPLETE (AEP, UK, RU)	
1	A-1065-843-A	VIDEO-I/O BOARD, COMPLETE (US, CND)	
1	A-1065-879-A	VIDEO-I/O BOARD, COMPLETE (EA, SP, HK, KR, MX, E41)	
2	1-787-199-11	FAN, DC	
3	3-831-441-11	CUSHION (F) (EXCEPT CND)	
4	1-469-241-11	CORE, FERRITE (RFC-8 BK) (EXCEPT CND)	
5	1-468-838-11	REGULATOR, SWITCHING BOARD (US, CND, MX)	
5	1-468-839-12	REGULATOR, SWITCHING BOARD (EXCEPT US, CND, MX)	
6	A-1065-806-A	AMP BOARD, COMPLETE	
* 7	3-703-244-00	BUSHING (2104), CORD	
⚠8	1-575-651-81	CORD, POWER (AEP, RU, SP, E41)	
⚠8	1-751-522-11	CORD, POWER (UK, EA, HK)	
⚠8	1-769-079-13	CORD, POWER (KR)	
⚠8	1-783-532-71	CORD, POWER (US, CND)	
⚠8	1-824-534-11	CORD, POWER (MX)	
9	1-827-996-11	WIRE (FLAT TYPE) (9 CORE)	
10	1-828-353-11	WIRE (FLAT TYPE) (17 CORE)	
11	1-791-112-11	WIRE (FLAT TYPE) (11 CORE)	

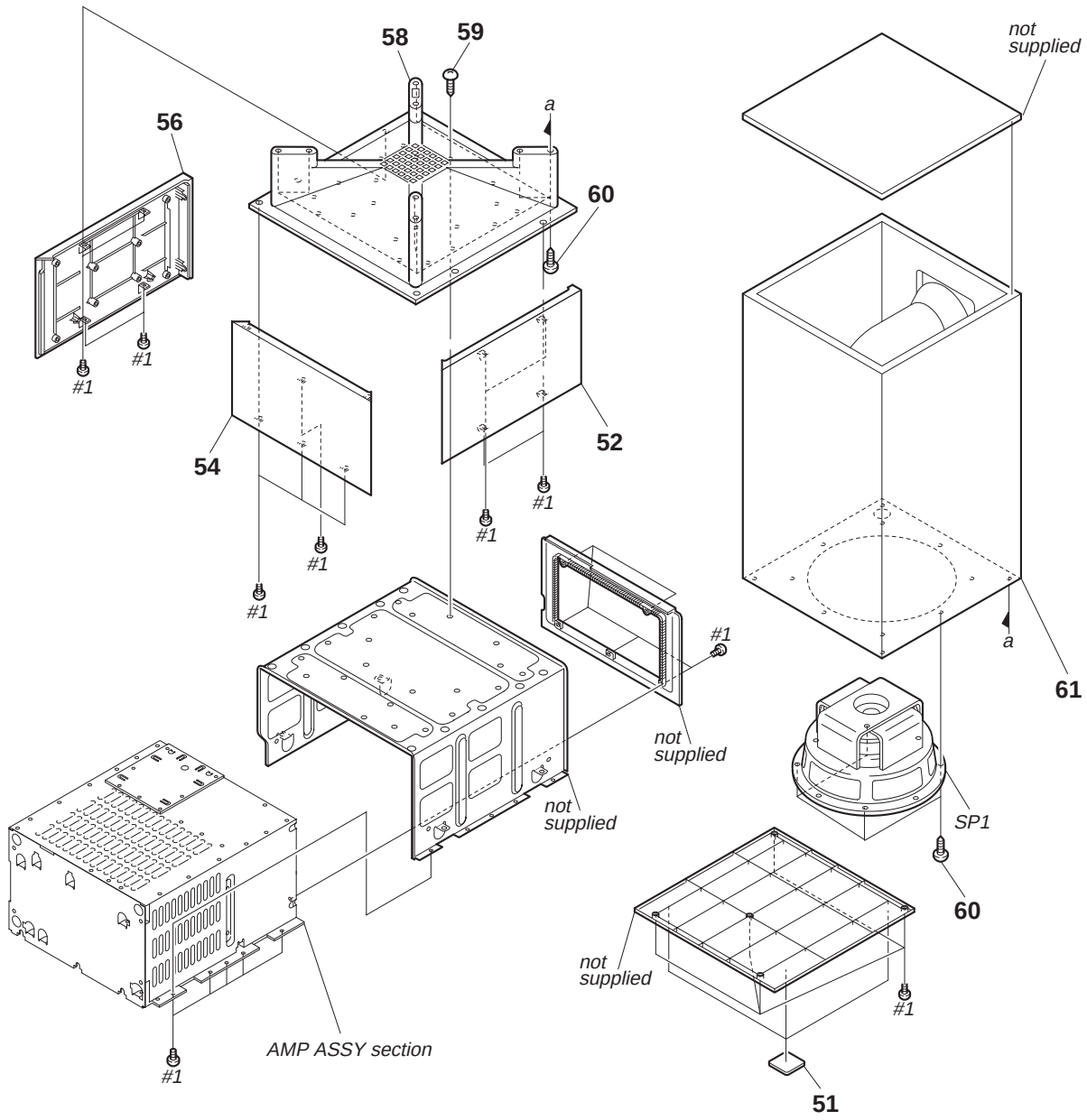
- Continued on page 43 -

5-2. AMP SECTION-2



Ref. No.	Part No.	Description	Remark
- Continued from page 42 -			
12	A-1065-809-A	DIAT TRANSMITTER BOARD, COMPLETE	
13	1-828-328-11	WIRE (FLAT TYPE) (13 CORE)	(EXCEPT AEP, UK, RU)
13	1-828-338-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)	
14	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)	(EXCEPT AEP, UK, RU)
14	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)	
15	1-693-603-31	TUNER (FM/AM) (EA, SP, HK, MX, E41)	
15	1-693-604-11	TUNER (FM/AM) (AEP, UK, RU)	
15	1-693-605-11	TUNER (FM/AM) (KR)	
15	1-693-623-31	TUNER (FM/AM) (US, CND)	
16	1-828-368-11	WIRE (FLAT TYPE) (21 CORE)	(EXCEPT AEP, UK, RU)
17	1-828-378-11	WIRE (FLAT TYPE) (23 CORE) (AEP, UK, RU)	
18	A-1065-792-A	SW-MAIN BOARD, COMPLETE (AEP, UK, RU)	
18	A-1065-839-A	SW-MAIN BOARD, COMPLETE (US, CND, MX)	
18	A-1065-875-A	SW-MAIN BOARD, COMPLETE	(EA, SP, HK, KR, E41)
* 19	4-646-784-01	GASKET	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-649-79	SCREW +BVTP 3X14 TYPE2 IT-3	
#3	3-970-608-31	SUMITITE (B3), +BV	

5-3. OVERALL SECTION



Ref. No.	Part No.	Description	Remark
51	2-108-334-01	FOOT (AMP BOX)	
52	X-2024-490-1	ASSY, PANEL (R) U (US)	
54	X-2024-488-1	ASSY, PANEL (F) U (US)	
56	X-2024-489-1	ASSY, PANEL (L) U (US)	
58	2-102-667-01	BASE	

Ref. No.	Part No.	Description	Remark
59	4-229-966-12	SCREW (4X16), +BV TAPPING (CND, SP)	
60	4-238-407-02	SCREW (1) (4X20), +BV TAPPING (CND, SP)	
61	A-1066-000-A	SPEAKER CABINET ASSY	
SP1	1-825-965-11	SPEAKER (18cm)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . , uPA. . , µPA. . ,
  uPB. . : µPB. . , uPC. . , µPC. . ,
  uPD. . : µPD. .
- Abbreviation
  CND : Canadian model
  E41 : Chilean and peruvian models
  EA : Saudi Arabia model
  HK : Hong Kong model
  KR : Korea model
  MX : Mexican model
  RU : Russian model
  SP : Singapore model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
		15V-REG BOARD			
		**********			
	7-685-645-79	SCREW +BVTP 3X6 TYPE2 IT-3			
		< CAPACITOR >			
C800	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C801	1-117-317-51	ELECT	1000uF	20%	25V
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-117-344-51	ELECT	1000uF	20%	35V
C804	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
		< CONNECTOR >			
* CN800	1-564-708-11	PIN, CONNECTOR (SMALL TYPE) 6P			
CN801	1-564-507-11	PLUG, CONNECTOR 4P			
CN802	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P			
		< DIODE >			
D800	8-719-084-30	DIODE EC21QS10-TE12L			
		< IC >			
IC800	6-703-655-01	IC SI-8150S			
		< COIL >			
L909	1-456-846-11	INDUCTOR	180uH		
		< TRANSISTOR >			
Q801	1-801-806-11	TRANSISTOR	DTC144EKA		
		< RESISTOR >			
R810	1-216-809-11	METAL CHIP	100	5%	1/10W
R813	1-216-833-11	METAL CHIP	10K	5%	1/10W
R814	1-216-819-11	METAL CHIP	680	5%	1/10W
**********					
		15V-RELAY BOARD			
		**********			
		< CONNECTOR >			
CN951	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CN952	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			
CN953	1-564-507-11	PLUG, CONNECTOR 4P			
**********					

Ref. No.	Part No.	Description			Remark
	A-1065-806-A	AMP BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C101	1-164-346-11	CERAMIC CHIP	1uF		16V
C102	1-164-346-11	CERAMIC CHIP	1uF		16V
C105	1-164-346-11	CERAMIC CHIP	1uF		16V
C106	1-164-346-11	CERAMIC CHIP	1uF		16V
C107	1-164-346-11	CERAMIC CHIP	1uF		16V
C111	1-164-346-11	CERAMIC CHIP	1uF		16V
C112	1-164-346-11	CERAMIC CHIP	1uF		16V
C115	1-164-346-11	CERAMIC CHIP	1uF		16V
C116	1-164-346-11	CERAMIC CHIP	1uF		16V
C117	1-164-346-11	CERAMIC CHIP	1uF		16V
C131	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C132	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C135	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C136	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C137	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C138	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C141	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C142	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C145	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C146	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C147	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C148	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C151	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C152	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C155	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C156	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C157	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C158	1-126-947-11	ELECT	47uF	20%	35V
C161	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C162	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C165	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C166	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C167	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C168	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C171	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C172	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C175	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C176	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C177	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V

AMP

Ref. No.	Part No.	Description			Remark
C178	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C180	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C181	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C182	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C185	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C186	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C187	1-115-185-11	CERAMIC CHIP	0.033uF	10%	50V
C188	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C189	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C191	1-107-898-11	ELECT	2200uF	20%	35V
C192	1-107-898-11	ELECT	2200uF	20%	35V
C195	1-107-898-11	ELECT	2200uF	20%	35V
C196	1-107-898-11	ELECT	2200uF	20%	35V
C197	1-107-898-11	ELECT	2200uF	20%	35V
C199	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C200	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C201	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C202	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C203	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C204	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C209	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C210	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C211	1-136-177-00	FILM	1uF	5%	50V
C212	1-136-177-00	FILM	1uF	5%	50V
C215	1-136-177-00	FILM	1uF	5%	50V
C216	1-136-177-00	FILM	1uF	5%	50V
C217	1-136-177-00	FILM	1uF	5%	50V
C218	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C219	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C221	1-136-177-00	FILM	1uF	5%	50V
C222	1-136-177-00	FILM	1uF	5%	50V
C225	1-136-177-00	FILM	1uF	5%	50V
C226	1-136-177-00	FILM	1uF	5%	50V
C227	1-136-177-00	FILM	1uF	5%	50V
C248	1-126-947-11	ELECT	47uF	20%	35V
C251	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C252	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C255	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C256	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C257	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C261	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C262	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C265	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C266	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C267	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C271	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C272	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C273	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C274	1-125-898-91	CERAMIC CHIP	0.22uF	10%	50V
C275	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C276	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C277	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C278	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C281	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C282	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C283	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C284	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V

Ref. No.	Part No.	Description			Remark
C289	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C290	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C291	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C292	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C293	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C294	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C301	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C302	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C303	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C304	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C305	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C306	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C308	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C309	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C310	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C320	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C321	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C322	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C323	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C324	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C325	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C326	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C327	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C328	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C329	1-126-947-11	ELECT	47uF	20%	35V
C330	1-126-947-11	ELECT	47uF	20%	35V
C331	1-126-947-11	ELECT	47uF	20%	35V
C335	1-126-947-11	ELECT	47uF	20%	35V
C336	1-126-947-11	ELECT	47uF	20%	35V
C337	1-126-947-11	ELECT	47uF	20%	35V
C350	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C351	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C352	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C353	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C354	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C355	1-126-933-11	ELECT	100uF	20%	16V
C356	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C357	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C358	1-126-925-91	ELECT	470uF	20%	10V
C359	1-126-925-91	ELECT	470uF	20%	10V
C360	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C361	1-126-947-11	ELECT	47uF	20%	35V
C362	1-104-658-91	ELECT	100uF	20%	10V
C363	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C366	1-126-934-11	ELECT	220uF	20%	16V
C367	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C368	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C370	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C371	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C372	1-126-960-11	ELECT	1uF	20%	50V
C374	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C375	1-126-933-11	ELECT	100uF	20%	16V
C377	1-126-964-11	ELECT	10uF	20%	50V
C380	1-104-662-91	ELECT	22uF	20%	25V
C381	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C382	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C383	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C384	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V

AMP

Ref. No.	Part No.	Description			Remark
C385	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C391	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C392	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C395	1-164-505-11	CERAMIC CHIP	2.2uF		16V
C396	1-117-370-11	CERAMIC CHIP	10uF		10V
C397	1-117-370-11	CERAMIC CHIP	10uF		10V
C402	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C404	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C405	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C406	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
		< CONNECTOR >			
CN300	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CN301	1-779-285-11	CONNECTOR, FFC (LIF (NON-ZIF)) 17P			
CN302	1-779-277-11	CONNECTOR, FFC (LIF (NON-ZIF)) 9P			
CN306	1-691-766-21	PLUG (MICRO CONNECTOR) 4P			
* CN313	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
CNP303	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CNP305	1-564-505-11	PLUG, CONNECTOR 2P			
		< DIODE >			
D101	6-500-260-01	DIODE P6SMB39AT3			
D102	6-500-260-01	DIODE P6SMB39AT3			
D105	6-500-260-01	DIODE P6SMB39AT3			
D106	6-500-260-01	DIODE P6SMB39AT3			
D107	6-500-260-01	DIODE P6SMB39AT3			
D201	6-500-260-01	DIODE P6SMB39AT3			
D202	6-500-260-01	DIODE P6SMB39AT3			
D205	6-500-260-01	DIODE P6SMB39AT3			
D206	6-500-260-01	DIODE P6SMB39AT3			
D207	6-500-260-01	DIODE P6SMB39AT3			
D208	8-719-421-15	DIODE MA8027-L			
D303	8-719-988-61	DIODE 1SS355TE-17			
D304	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB301	1-469-760-21	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC101	6-704-802-01	IC CXD9774M			
IC102	6-704-802-01	IC CXD9774M			
IC105	6-704-802-01	IC CXD9774M			
IC106	6-704-802-01	IC CXD9774M			
IC107	6-704-802-01	IC CXD9774M			
IC108	6-705-979-01	IC CXD9788AR			
IC110	6-705-979-01	IC CXD9788AR			
IC301	6-705-720-01	IC RC4580IDR			
IC303	6-702-300-01	IC TK11118CSCL-G			
IC305	6-701-189-01	IC MC74VHC1GU04DFT1			
		< SHORT >			
JR401	1-216-864-11	SHORT CHIP	0		
JR402	1-216-864-11	SHORT CHIP	0		
JR403	1-216-864-11	SHORT CHIP	0		
JR404	1-216-864-11	SHORT CHIP	0		
JR405	1-216-864-11	SHORT CHIP	0		
JR406	1-216-864-11	SHORT CHIP	0		
JR407	1-216-864-11	SHORT CHIP	0		
JR408	1-216-864-11	SHORT CHIP	0		
JR409	1-216-864-11	SHORT CHIP	0		
JR410	1-216-864-11	SHORT CHIP	0		
JR411	1-216-864-11	SHORT CHIP	0		
JR412	1-216-864-11	SHORT CHIP	0		
JR415	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L121	1-456-680-11	INDUCTOR	10uH		
L122	1-456-680-11	INDUCTOR	10uH		
L125	1-456-680-11	INDUCTOR	10uH		
L126	1-456-680-11	INDUCTOR	10uH		
L127	1-456-680-11	INDUCTOR	10uH		
L131	1-456-680-11	INDUCTOR	10uH		
L132	1-456-680-11	INDUCTOR	10uH		
L135	1-456-680-11	INDUCTOR	10uH		
L136	1-456-680-11	INDUCTOR	10uH		
L137	1-456-680-11	INDUCTOR	10uH		
L302	1-412-939-11	INDUCTOR	1uH		
		< TRANSISTOR >			
Q101	8-729-602-36	TRANSISTOR	2SA1602-F		
Q102	8-729-602-36	TRANSISTOR	2SA1602-F		
Q103	8-729-602-36	TRANSISTOR	2SA1602-F		
Q104	8-729-602-36	TRANSISTOR	2SA1602-F		
Q109	8-729-602-36	TRANSISTOR	2SA1602-F		
Q110	8-729-602-36	TRANSISTOR	2SA1602-F		
Q111	8-729-602-36	TRANSISTOR	2SA1602-F		
Q112	8-729-602-36	TRANSISTOR	2SA1602-F		
Q113	8-729-602-36	TRANSISTOR	2SA1602-F		
Q114	8-729-602-36	TRANSISTOR	2SA1602-F		
Q301	8-729-120-28	TRANSISTOR	2SC1623-L5L6		
Q303	8-729-801-84	TRANSISTOR	2SB1013-4		
Q304	8-729-901-00	TRANSISTOR	DTC124EK		
		< RESISTOR >			
R101	1-216-295-91	SHORT CHIP	0		
R102	1-216-295-91	SHORT CHIP	0		
R103	1-216-295-91	SHORT CHIP	0		
R104	1-216-295-91	SHORT CHIP	0		
R105	1-216-295-91	SHORT CHIP	0		
R108	1-216-837-11	METAL CHIP	22K	5%	1/10W
R111	1-216-837-11	METAL CHIP	22K	5%	1/10W
R116	1-216-837-11	METAL CHIP	22K	5%	1/10W
R119	1-216-837-11	METAL CHIP	22K	5%	1/10W
R120	1-216-837-11	METAL CHIP	22K	5%	1/10W
R129	1-216-809-11	METAL CHIP	100	5%	1/10W
R131	1-216-864-11	SHORT CHIP	0		
R132	1-216-864-11	SHORT CHIP	0		
R135	1-216-864-11	SHORT CHIP	0		
R136	1-216-864-11	SHORT CHIP	0		
R137	1-216-864-11	SHORT CHIP	0		
R138	1-216-864-11	SHORT CHIP	0		
R139	1-216-864-11	SHORT CHIP	0		
R141	1-216-864-11	SHORT CHIP	0		
R142	1-216-864-11	SHORT CHIP	0		

AMP

Ref. No.	Part No.	Description			Remark
R145	1-216-864-11	SHORT CHIP	0		
R146	1-216-864-11	SHORT CHIP	0		
R147	1-216-864-11	SHORT CHIP	0		
R161	1-216-864-11	SHORT CHIP	0		
R162	1-216-864-11	SHORT CHIP	0		
R165	1-216-864-11	SHORT CHIP	0		
R166	1-216-864-11	SHORT CHIP	0		
R167	1-216-864-11	SHORT CHIP	0		
R171	1-216-864-11	SHORT CHIP	0		
R172	1-216-864-11	SHORT CHIP	0		
R175	1-216-864-11	SHORT CHIP	0		
R176	1-216-864-11	SHORT CHIP	0		
R177	1-216-864-11	SHORT CHIP	0		
R191	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R192	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R195	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R196	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R197	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R201	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R202	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R205	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R206	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R207	1-220-942-11	METAL CHIP	3.3	1%	1/4W
R211	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R212	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R215	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R216	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R217	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R221	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R222	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R225	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R226	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R227	1-216-136-00	RES-CHIP	2.7	5%	1/8W
R229	1-216-809-11	METAL CHIP	100	5%	1/10W
R235	1-216-809-11	METAL CHIP	100	5%	1/10W
R237	1-216-809-11	METAL CHIP	100	5%	1/10W
R239	1-216-809-11	METAL CHIP	100	5%	1/10W
R300	1-216-817-11	METAL CHIP	470	5%	1/10W
R302	1-216-817-11	METAL CHIP	470	5%	1/10W
R303	1-216-817-11	METAL CHIP	470	5%	1/10W
R304	1-216-817-11	METAL CHIP	470	5%	1/10W
R306	1-216-817-11	METAL CHIP	470	5%	1/10W
R308	1-216-817-11	METAL CHIP	470	5%	1/10W
R309	1-216-864-11	SHORT CHIP	0		
R310	1-216-809-11	METAL CHIP	100	5%	1/10W
R312	1-216-809-11	METAL CHIP	100	5%	1/10W
R313	1-216-809-11	METAL CHIP	100	5%	1/10W
R314	1-216-809-11	METAL CHIP	100	5%	1/10W
R315	1-216-803-11	METAL CHIP	33	5%	1/10W
R316	1-216-817-11	METAL CHIP	470	5%	1/10W
R317	1-216-817-11	METAL CHIP	470	5%	1/10W
R319	1-216-833-11	METAL CHIP	10K	5%	1/10W
R320	1-216-864-11	SHORT CHIP	0		
R321	1-216-864-11	SHORT CHIP	0		
R322	1-216-833-11	METAL CHIP	10K	5%	1/10W
R323	1-216-864-11	SHORT CHIP	0		
R325	1-216-864-11	SHORT CHIP	0		
R326	1-216-864-11	SHORT CHIP	0		

Ref. No.	Part No.	Description			Remark
R328	1-216-864-11	SHORT CHIP	0		
R329	1-216-864-11	SHORT CHIP	0		
R330	1-216-837-11	METAL CHIP	22K	5%	1/10W
R331	1-216-837-11	METAL CHIP	22K	5%	1/10W
R332	1-216-837-11	METAL CHIP	22K	5%	1/10W
R333	1-216-837-11	METAL CHIP	22K	5%	1/10W
R334	1-216-837-11	METAL CHIP	22K	5%	1/10W
R335	1-216-837-11	METAL CHIP	22K	5%	1/10W
R336	1-216-837-11	METAL CHIP	22K	5%	1/10W
R337	1-216-837-11	METAL CHIP	22K	5%	1/10W
R338	1-218-725-11	METAL CHIP	24K	0.5%	1/10W
R339	1-218-725-11	METAL CHIP	24K	0.5%	1/10W
R340	1-216-839-11	METAL CHIP	33K	5%	1/10W
R341	1-216-839-11	METAL CHIP	33K	5%	1/10W
R342	1-216-864-11	SHORT CHIP	0		
R343	1-216-864-11	SHORT CHIP	0		
R345	1-216-833-11	METAL CHIP	10K	5%	1/10W
R346	1-216-817-11	METAL CHIP	470	5%	1/10W
R347	1-216-833-11	METAL CHIP	10K	5%	1/10W
R348	1-216-817-11	METAL CHIP	470	5%	1/10W
R349	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R350	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R351	1-216-817-11	METAL CHIP	470	5%	1/10W
R361	1-216-845-11	METAL CHIP	100K	5%	1/10W
R362	1-216-845-11	METAL CHIP	100K	5%	1/10W
R365	1-216-845-11	METAL CHIP	100K	5%	1/10W
R366	1-216-845-11	METAL CHIP	100K	5%	1/10W
R367	1-216-845-11	METAL CHIP	100K	5%	1/10W
R371	1-216-818-11	METAL CHIP	560	5%	1/10W
R372	1-216-864-11	SHORT CHIP	0		
R373	1-216-864-11	SHORT CHIP	0		
R374	1-216-818-11	METAL CHIP	560	5%	1/10W
R379	1-216-818-11	METAL CHIP	560	5%	1/10W
R380	1-216-864-11	SHORT CHIP	0		
R381	1-216-864-11	SHORT CHIP	0		
R382	1-216-818-11	METAL CHIP	560	5%	1/10W
R383	1-216-864-11	SHORT CHIP	0		
R384	1-216-818-11	METAL CHIP	560	5%	1/10W
R393	1-216-801-11	METAL CHIP	22	5%	1/10W
R394	1-216-857-11	METAL CHIP	1M	5%	1/10W
R395	1-216-845-11	METAL CHIP	100K	5%	1/10W
R396	1-216-809-11	METAL CHIP	100	5%	1/10W
R400	1-216-845-11	METAL CHIP	100K	5%	1/10W
R401	1-216-845-11	METAL CHIP	100K	5%	1/10W
R402	1-216-845-11	METAL CHIP	100K	5%	1/10W
R403	1-216-845-11	METAL CHIP	100K	5%	1/10W
R404	1-216-845-11	METAL CHIP	100K	5%	1/10W
R409	1-216-845-11	METAL CHIP	100K	5%	1/10W
R410	1-216-845-11	METAL CHIP	100K	5%	1/10W
R411	1-216-845-11	METAL CHIP	100K	5%	1/10W
R412	1-216-845-11	METAL CHIP	100K	5%	1/10W
R413	1-216-845-11	METAL CHIP	100K	5%	1/10W
R414	1-216-845-11	METAL CHIP	100K	5%	1/10W
R425	1-216-813-11	METAL CHIP	220	5%	1/10W
R426	1-216-811-11	METAL CHIP	150	5%	1/10W
R428	1-216-841-11	METAL CHIP	47K	5%	1/10W
R429	1-216-829-11	METAL CHIP	4.7K	5%	1/10W

AMP | **COMPONENT** | **DIAT TRANSMITTER**

Ref. No.	Part No.	Description			Remark
R430	1-216-833-11	METAL CHIP	10K	5%	1/10W
R431	1-216-845-11	METAL CHIP	100K	5%	1/10W
R450	1-216-833-11	METAL CHIP	10K	5%	1/10W
R451	1-216-833-11	METAL CHIP	10K	5%	1/10W
R452	1-216-833-11	METAL CHIP	10K	5%	1/10W
R453	1-216-833-11	METAL CHIP	10K	5%	1/10W
R454	1-216-833-11	METAL CHIP	10K	5%	1/10W
R455	1-216-833-11	METAL CHIP	10K	5%	1/10W
R456	1-216-833-11	METAL CHIP	10K	5%	1/10W
R457	1-216-833-11	METAL CHIP	10K	5%	1/10W
R458	1-216-833-11	METAL CHIP	10K	5%	1/10W
R459	1-216-833-11	METAL CHIP	10K	5%	1/10W
R481	1-216-833-11	METAL CHIP	10K	5%	1/10W
R482	1-216-833-11	METAL CHIP	10K	5%	1/10W
R483	1-216-833-11	METAL CHIP	10K	5%	1/10W
R484	1-216-833-11	METAL CHIP	10K	5%	1/10W
R485	1-216-833-11	METAL CHIP	10K	5%	1/10W
R486	1-216-833-11	METAL CHIP	10K	5%	1/10W
R487	1-216-833-11	METAL CHIP	10K	5%	1/10W
R488	1-216-833-11	METAL CHIP	10K	5%	1/10W
R489	1-216-833-11	METAL CHIP	10K	5%	1/10W
R490	1-216-833-11	METAL CHIP	10K	5%	1/10W
R494	1-216-833-11	METAL CHIP	10K	5%	1/10W
R495	1-216-833-11	METAL CHIP	10K	5%	1/10W
R496	1-216-833-11	METAL CHIP	10K	5%	1/10W
R497	1-216-833-11	METAL CHIP	10K	5%	1/10W
R499	1-216-833-11	METAL CHIP	10K	5%	1/10W
R500	1-216-833-11	METAL CHIP	10K	5%	1/10W
		< VIBRATOR >			
X450	1-795-660-21	QUARTZ CRYSTAL UNIT (49,152MHz)			
**********					
		COMPONENT BOARD (EXCEPT AEP, UK, RU)			
		**********			
		< CAPACITOR >			
C950	1-216-864-11	SHORT CHIP	0		
C952	1-126-916-11	ELECT	1000uF	20%	6.3V
C953	1-216-864-11	SHORT CHIP	0		
C954	1-126-916-11	ELECT	1000uF	20%	6.3V
C956	1-126-916-11	ELECT	1000uF	20%	6.3V
C957	1-126-916-11	ELECT	1000uF	20%	6.3V
C958	1-216-864-11	SHORT CHIP	0		
		< CONNECTOR >			
CN911	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			
		< JACK >			
J907	1-694-920-21	TERMINAL BOARD (S TERMINAL+1P) (MONITOR OUT)			
J909	1-793-445-11	JACK, PIN 3P (COMPONENT VIDEO OUT)			
		< RESISTOR >			
R950	1-218-285-11	METAL CHIP	75	5%	1/10W
R951	1-218-285-11	METAL CHIP	75	5%	1/10W
R952	1-218-285-11	METAL CHIP	75	5%	1/10W
R953	1-218-285-11	METAL CHIP	75	5%	1/10W
R954	1-218-285-11	METAL CHIP	75	5%	1/10W
R955	1-218-285-11	METAL CHIP	75	5%	1/10W
		< SWITCH >			
S901	1-771-692-11	SWITCH, SLIDE (SCAN SELECT)			
**********					
	A-1065-809-A	DIAT TRANSMITTER BOARD, COMPLETE			
		**********			
		< CAPACITOR >			
C801	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C802	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C803	1-126-382-11	ELECT	100uF	20%	16V
C805	1-126-382-11	ELECT	100uF	20%	16V
C806	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C807	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C809	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C810	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C811	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C812	1-126-382-11	ELECT	100uF	20%	16V
C813	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C814	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C815	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C816	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C817	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C818	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C819	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C820	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C821	1-126-382-11	ELECT	100uF	20%	16V
C822	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C823	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C824	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C825	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C826	1-126-382-11	ELECT	100uF	20%	16V
C827	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C828	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C829	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C830	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C831	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C832	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C833	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C834	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C835	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C836	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C837	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C838	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C839	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C840	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C841	1-115-872-11	ELECT	2.2uF	20%	50V
C842	1-164-230-11	CERAMIC CHIP	220PF	5%	50V
C844	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C845	1-126-382-11	ELECT	100uF	20%	16V
C846	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C847	1-126-382-11	ELECT	100uF	20%	16V

DIAT TRANSMITTER PLF

Ref. No.	Part No.	Description			Remark
C848	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C849	1-126-382-11	ELECT	100uF	20%	16V
C850	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C851	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
		< CONNECTOR >			
CN801	1-784-370-21	CONNECTOR, FFC/FPC 11P			
CN802	1-564-505-11	PLUG, CONNECTOR 2P			
CN803	1-564-505-21	PLUG, CONNECTOR 2P			
		< DIODE >			
D800	8-719-988-61	DIODE 1SS355TE-17			
		< GROUND TERMINAL BOARD >			
EB801	1-537-738-21	TERMINAL, GROUND			
EB802	1-537-738-21	TERMINAL, GROUND			
		< FERRITE BEAD >			
FB801	1-469-835-21	INDUCTOR, FERRITE BEAD			
FB802	1-469-835-21	INDUCTOR, FERRITE BEAD			
FB804	1-414-234-22	INDUCTOR, FERRITE BEAD			
		< IC >			
IC801	6-704-261-01	IC TK11225CMCL-G			
IC802	8-759-491-47	IC TC74VHCT08AFT (EL)			
IC803	8-759-549-01	IC SN74LV125APWR			
IC804	8-752-425-05	IC CXD4016R			
IC805	8-759-684-21	IC AD8057ART-REEL7			
		< SHORT >			
JR801	1-216-864-11	SHORT CHIP	0		
JR802	1-216-864-11	SHORT CHIP	0		
JR803	1-216-864-11	SHORT CHIP	0		
JR804	1-216-864-11	SHORT CHIP	0		
JR805	1-216-864-11	SHORT CHIP	0		
JR806	1-216-864-11	SHORT CHIP	0		
		< COIL >			
L801	1-469-525-91	INDUCTOR	10uH		
L802	1-469-525-91	INDUCTOR	10uH		
L803	1-469-525-91	INDUCTOR	10uH		
L804	1-469-525-91	INDUCTOR	10uH		
L805	1-469-525-91	INDUCTOR	10uH		
L806	1-469-525-91	INDUCTOR	10uH		
L807	1-469-525-91	INDUCTOR	10uH		
L808	1-469-525-91	INDUCTOR	10uH		
L809	1-469-525-91	INDUCTOR	10uH		
L810	1-469-525-91	INDUCTOR	10uH		
L811	1-400-305-11	INDUCTOR	47uH		
		< TRANSISTOR >			
Q801	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R802	1-216-833-11	METAL CHIP	10K	5%	1/10W
R803	1-216-809-11	METAL CHIP	100	5%	1/10W
R804	1-216-809-11	METAL CHIP	100	5%	1/10W
R805	1-216-809-11	METAL CHIP	100	5%	1/10W
R806	1-216-809-11	METAL CHIP	100	5%	1/10W
R807	1-216-809-11	METAL CHIP	100	5%	1/10W
R808	1-216-809-11	METAL CHIP	100	5%	1/10W
R809	1-216-809-11	METAL CHIP	100	5%	1/10W
R810	1-216-809-11	METAL CHIP	100	5%	1/10W
R811	1-216-821-11	METAL CHIP	1K	5%	1/10W
R812	1-216-815-11	METAL CHIP	330	5%	1/10W
R813	1-216-813-11	METAL CHIP	220	5%	1/10W
R814	1-216-809-11	METAL CHIP	100	5%	1/10W
R815	1-216-815-11	METAL CHIP	330	5%	1/10W
R816	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R817	1-216-821-11	METAL CHIP	1K	5%	1/10W
R818	1-216-821-11	METAL CHIP	1K	5%	1/10W
R819	1-216-821-11	METAL CHIP	1K	5%	1/10W
R820	1-216-813-11	METAL CHIP	220	5%	1/10W
R821	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R822	1-216-811-11	METAL CHIP	150	5%	1/10W
R823	1-216-813-11	METAL CHIP	220	5%	1/10W
R824	1-216-817-11	METAL CHIP	470	5%	1/10W
R825	1-216-833-11	METAL CHIP	10K	5%	1/10W
R826	1-216-811-11	METAL CHIP	150	5%	1/10W
R827	1-216-811-11	METAL CHIP	150	5%	1/10W
R829	1-216-835-11	METAL CHIP	15K	5%	1/10W
R830	1-216-833-11	METAL CHIP	10K	5%	1/10W
R831	1-220-397-11	METAL CHIP	4.7M	5%	1/10W
R832	1-216-833-11	METAL CHIP	10K	5%	1/10W
R833	1-216-833-11	METAL CHIP	10K	5%	1/10W
R834	1-216-833-11	METAL CHIP	10K	5%	1/10W
R835	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R836	1-216-826-11	METAL CHIP	2.7K	5%	1/10W
R837	1-216-803-11	METAL CHIP	33	5%	1/10W
R838	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< VARIABLE RESISTOR >			
RV801	1-223-582-11	RES, ADJ, CARBON	470		
		< VIBRATOR >			
X801	1-795-044-21	VIBRATOR, CRYSTAL (24.576MHz)			

****

PLF BOARD
****

< CAPACITOR >

⚠C900	1-104-705-51	CAP, FILM (POWER)	0.1MF		
⚠C901	1-117-693-11	CAP, CERAMIC	100PF	10%	250V
⚠C902	1-117-693-11	CAP, CERAMIC	100PF	10%	250V

< CONNECTOR >

* CN901	1-580-230-11	PIN, CONNECTOR (PC BOARD) 2P	

< LINE FILTER >

⚠LF900	1-456-082-11	COIL, LINE FILTER (EXCEPT US, CND, MX)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

PLF **SCART** **SPK-OUT** **SW-MAIN**

Ref. No.	Part No.	Description			Remark
⚠LF900	1-456-206-11	COIL, LINE FILTER (US, CND, MX)			
**********					
		SCART BOARD (AEP, UK, RU)			
		**********			
		< CAPACITOR >			
C912	1-216-864-11	SHORT CHIP	0		
C918	1-126-916-11	ELECT	1000uF	20%	6.3V
C920	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C922	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C925	1-126-916-11	ELECT	1000uF	20%	6.3V
C929	1-126-916-11	ELECT	1000uF	20%	6.3V
C936	1-216-864-11	SHORT CHIP	0		
		< CONNECTOR >			
CN906	1-784-213-11	FFC/CONNECTOR, FPC (LIF (BIB-ZIF)) 14P			
		< JACK >			
J905	1-815-911-11	CONNECTOR, SQUARE TYPE 21P (EURO AV)			
		< RESISTOR >			
R920	1-218-285-11	METAL CHIP	75	5%	1/10W
R922	1-218-285-11	METAL CHIP	75	5%	1/10W
R935	1-218-285-11	METAL CHIP	75	5%	1/10W
R939	1-218-285-11	METAL CHIP	75	5%	1/10W
R940	1-216-864-11	SHORT CHIP	0		
**********					
		SPK-OUT BOARD			
		**********			
		< CAPACITOR >			
C940	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C941	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C942	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C943	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C944	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C945	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C946	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C947	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C948	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C949	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C962	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C963	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C964	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C965	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C966	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C967	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C968	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C969	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C970	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C971	1-162-974-11	CERAMIC CHIP	0.01uF		50V
		< CONNECTOR >			
CN907	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
* CN909	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
CN914	1-818-651-11	PIN, CONNECTOR 2P			
CN915	1-818-651-21	PIN, CONNECTOR 2P			

Ref. No.	Part No.	Description			Remark
		< JACK >			
J906	1-780-144-11	TERMINAL BOARD (SPEAKER)			
**********					
	A-1065-792-A	SW-MAIN BOARD, COMPLETE (AEP, UK, RU)			
	A-1065-839-A	SW-MAIN BOARD, COMPLETE (US, CND, MX)			
	A-1065-875-A	SW-MAIN BOARD, COMPLETE			(EA, SP, HK, KR, E41)
		**********			
		< CAPACITOR >			
C501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C502	1-124-778-00	ELECT CHIP	22uF	20%	6.3V
C503	1-216-864-11	SHORT CHIP	0		
C504	1-216-864-11	SHORT CHIP	0		
C505	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C506	1-216-864-11	SHORT CHIP	0		
C507	1-216-864-11	SHORT CHIP	0		
C508	1-216-864-11	SHORT CHIP	0		
C511	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C512	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C513	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C514	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C515	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V (AEP, UK, RU)
C516	1-128-995-21	ELECT CHIP	100uF	20%	10V (AEP, UK, RU)
C517	1-128-995-21	ELECT CHIP	100uF	20%	10V
C518	1-128-995-21	ELECT CHIP	100uF	20%	10V
C519	1-128-995-21	ELECT CHIP	100uF	20%	10V
C520	1-128-995-21	ELECT CHIP	100uF	20%	10V
C521	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C524	1-128-995-21	ELECT CHIP	100uF	20%	10V
C530	1-126-395-11	ELECT CHIP	22uF	20%	16V
C531	1-126-395-11	ELECT CHIP	22uF	20%	16V
C536	1-128-995-21	ELECT CHIP	100uF	20%	10V
C537	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C538	1-162-960-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, RU)
C539	1-162-960-11	CERAMIC CHIP	220PF	10%	50V (AEP, UK, RU)
C540	1-128-995-21	ELECT CHIP	100uF	20%	10V (AEP, UK, RU)
C541	1-128-995-21	ELECT CHIP	100uF	20%	10V (AEP, UK, RU)
C542	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C545	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C546	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C547	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C548	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C549	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C550	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C551	1-128-995-21	ELECT CHIP	100uF	20%	10V (AEP, UK, RU)
C552	1-128-995-21	ELECT CHIP	100uF	20%	10V
C553	1-128-995-21	ELECT CHIP	100uF	20%	10V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

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Ref. No.	Part No.	Description			Remark
C554	1-128-995-21	ELECT CHIP	100uF	20%	10V
C555	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK, RU)
C556	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C557	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C558	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C559	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C560	1-128-995-21	ELECT CHIP	100uF	20%	10V
C561	1-128-995-21	ELECT CHIP	100uF	20%	10V
C563	1-128-995-21	ELECT CHIP	100uF	20%	10V
C564	1-128-995-21	ELECT CHIP	100uF	20%	10V
C565	1-164-156-11	CERAMIC CHIP	0.1uF		25V (AEP, UK, RU)
C566	1-124-779-00	ELECT CHIP	10uF	20%	16V
C567	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C568	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C569	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C570	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C573	1-128-995-21	ELECT CHIP	100uF	20%	10V
C574	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C576	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C577	1-128-995-21	ELECT CHIP	100uF	20%	10V
C578	1-124-779-00	ELECT CHIP	10uF	20%	16V
C579	1-124-779-00	ELECT CHIP	10uF	20%	16V
C580	1-124-779-00	ELECT CHIP	10uF	20%	16V
C581	1-124-779-00	ELECT CHIP	10uF	20%	16V
C582	1-124-779-00	ELECT CHIP	10uF	20%	16V
C583	1-124-779-00	ELECT CHIP	10uF	20%	16V
C584	1-117-370-11	CERAMIC CHIP	10uF		10V
C585	1-117-370-11	CERAMIC CHIP	10uF		10V
C586	1-117-370-11	CERAMIC CHIP	10uF		10V
C587	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C588	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C589	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C590	1-117-370-11	CERAMIC CHIP	10uF		10V
C591	1-117-370-11	CERAMIC CHIP	10uF		10V
C592	1-117-370-11	CERAMIC CHIP	10uF		10V
C593	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C594	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C595	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C596	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C597	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C598	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C599	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C600	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C601	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C602	1-117-370-11	CERAMIC CHIP	10uF		10V
C603	1-117-370-11	CERAMIC CHIP	10uF		10V
C604	1-117-370-11	CERAMIC CHIP	10uF		10V
C605	1-216-864-11	SHORT CHIP	0		
C606	1-216-864-11	SHORT CHIP	0		
C607	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C608	1-117-370-11	CERAMIC CHIP	10uF		10V
C609	1-216-864-11	SHORT CHIP	0		
C610	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C611	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C612	1-117-370-11	CERAMIC CHIP	10uF		10V
C613	1-216-864-11	SHORT CHIP	0		
C614	1-216-864-11	SHORT CHIP	0		
C615	1-216-864-11	SHORT CHIP	0		
C616	1-124-779-00	ELECT CHIP	10uF	20%	16V (EXCEPT AEP, UK, RU)
C617	1-216-864-11	SHORT CHIP	0		
C622	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C623	1-100-717-91	CERAMIC CHIP	1uF		16V
C624	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C625	1-100-388-21	ELECT CHIP	39uF	20%	16V
C626	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C627	1-100-717-91	CERAMIC CHIP	1uF		16V
C628	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C629	1-100-388-21	ELECT CHIP	39uF	20%	16V
C630	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C631	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C632	1-117-370-11	CERAMIC CHIP	10uF		10V
C633	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C634	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C635	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C636	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C637	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C638	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C639	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C640	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C641	1-162-912-11	CERAMIC CHIP	7PF	0.5PF	50V
C642	1-162-910-11	CERAMIC CHIP	5PF	0.25PF	50V
C644	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C645	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C646	1-126-246-11	ELECT CHIP	220uF	20%	4V
C647	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C648	1-165-908-11	CERAMIC CHIP	1uF	10%	10V
C649	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C650	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C651	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C652	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C653	1-162-916-11	CERAMIC CHIP	12PF	5%	50V
C654	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C655	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C656	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C657	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C658	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C659	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C660	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C661	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C662	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C663	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C664	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C665	1-107-726-91	CERAMIC CHIP	0.01uF	10%	16V
C666	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C667	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C668	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C669	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C670	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C671	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C672	1-126-246-11	ELECT CHIP	220uF	20%	4V
C673	1-126-205-11	ELECT CHIP	47uF	20%	6.3V
C674	1-164-156-11	CERAMIC CHIP	0.1uF		25V

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Ref. No.	Part No.	Description			Remark
C675	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C676	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C677	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C679	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C681	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C682	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C683	1-128-995-21	ELECT CHIP	100uF	20%	10V
C684	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C685	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C686	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C687	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C688	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C689	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C690	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C691	1-216-864-11	SHORT CHIP	0		
C692	1-216-864-11	SHORT CHIP	0		
C693	1-216-864-11	SHORT CHIP	0		
C694	1-216-864-11	SHORT CHIP	0		
		< CONNECTOR >			
CN501	1-568-830-11	CONNECTOR, FFC 11P (EXCEPT AEP, UK, RU)			
CN501	1-784-776-11	CONNECTOR, FFC 15P (AEP, UK, RU)			
CN502	1-817-979-21	CONNECTOR (SQUARE TYPE) (SMD) 30P (SYSTEM CONNECTOR)			
* CN505	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
CN506	1-815-875-21	PIN, CONNECTOR (PC BOARD) 12P			
CN508	1-779-993-11	PIN, CONNECTOR (PWB) 5P			
CN509	1-784-370-21	CONNECTOR, FFC/FPC 11P			
CN510	1-784-368-11	CONNECTOR, FFC/FPC 9P			
CN511	1-784-376-11	CONNECTOR, FFC/FPC 17P			
CN512	1-784-367-11	CONNECTOR, FFC/FPC 8P			
CN514	1-778-692-11	CONNECTOR, FFC/FPC 21P (EXCEPT AEP, UK, RU)			
CN514	1-793-991-11	FFC/CONNECTOR, FPC (LIF (NON-ZIF)) 23P (AEP, UK, RU)			
		< DIODE >			
D502	8-719-988-61	DIODE 1SS355TE-17			
D503	8-719-988-61	DIODE 1SS355TE-17			
D504	8-719-056-48	DIODE 1SS388 (TPL3)			
D505	8-719-056-48	DIODE 1SS388 (TPL3)			
D507	8-719-988-61	DIODE 1SS355TE-17			
D508	8-719-988-61	DIODE 1SS355TE-17			
D509	8-719-988-61	DIODE 1SS355TE-17			
		< FERRITE BEAD >			
FB500	1-400-382-11	EMI FERRITE (SMD) (1608)			
FB501	1-416-976-11	FERRITE, EMI (SMD) (3216)			
FB502	1-416-976-11	FERRITE, EMI (SMD) (3216)			
FB503	1-416-976-11	FERRITE, EMI (SMD) (3216)			
FB504	1-416-976-11	FERRITE, EMI (SMD) (3216)			
FB505	1-416-976-11	FERRITE, EMI (SMD) (3216)			
FB506	1-416-976-11	FERRITE, EMI (SMD) (3216)			
FB507	1-400-382-11	EMI FERRITE (SMD) (1608)			
FB508	1-400-382-11	EMI FERRITE (SMD) (1608)			
FB509	1-400-382-11	EMI FERRITE (SMD) (1608)			
FB510	1-400-382-11	EMI FERRITE (SMD) (1608)			
FB511	1-400-382-11	EMI FERRITE (SMD) (1608)			

Ref. No.	Part No.	Description	Remark
FB512	1-400-382-11	EMI FERRITE (SMD) (1608)	
FB513	1-400-382-11	EMI FERRITE (SMD) (1608)	
FB514	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB515	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB516	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB517	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB518	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB519	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB520	1-400-382-11	EMI FERRITE (SMD) (1608)	
FB521	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB522	1-400-382-11	EMI FERRITE (SMD) (1608)	
FB523	1-414-760-21	FERRITE, EMI (SMD) (1608)	
FB524	1-500-284-21	INDUCTOR, FERRITE BEAD (AEP, UK, RU)	
		< IC >	
IC501	6-600-014-01	IC TORX141L (OPTICAL DIGITAL IN)	
IC503	8-759-385-76	IC MC14052 BDR2	
IC505	8-759-385-76	IC MC14052 BDR2 (AEP, UK, RU)	
IC506	6-706-758-01	IC SN74LVC3G34DCUR	
IC507	8-759-572-38	IC NJM2140R	
IC508	8-759-572-38	IC NJM2140R	
IC509	8-759-572-38	IC NJM2140R	
IC510	8-759-697-21	IC NJM4565V (TE2)	
IC511	6-701-834-01	IC PCM1802DBR	
IC512	6-701-834-01	IC PCM1802DBR	
IC513	6-701-834-01	IC PCM1802DBR	
IC514	6-703-589-01	IC SN74LVC1G125DCKR	
IC515	6-703-883-01	IC MM1575ANLEG	
IC516	6-705-338-01	IC TK11250CMCL-G	
IC517	8-759-460-79	IC BA09FP-E2	
IC518	8-759-460-79	IC BA09FP-E2	
IC519	8-759-825-15	IC LC89056W-E	
IC520	8-759-238-47	IC TC74HCT7007AF (EL)	
IC521	6-703-589-01	IC SN74LVC1G125DCKR	
IC522	8-759-549-07	IC SN74LV157APWR	
IC523	8-759-491-47	IC TC74VHCT08AFT (EL)	
IC524	8-759-238-47	IC TC74HCT7007AF (EL)	
IC525	6-705-843-01	IC CXD9720BQ	
IC526	6-804-634-01	IC uPD703033BYGF-M58-3BA-A	
IC527	6-704-037-01	IC IC61LV6416-15TG	
IC528	8-759-835-63	IC NJM2391DL1-26 (TE1)	
IC529	8-759-549-20	IC SN74LV541APWR	
IC530	6-701-189-01	IC MC74VHC1GU04DFT1	
IC531	6-706-087-01	IC PST3645NR	
		< JACK >	
J501	1-784-429-11	JACK, PIN 4P (VIDEO(AUDIO IN)/SAT(AUDIO IN))	
J502	1-818-648-11	JACK (SMALL TYPE) 3P (REMOTE CONTROL)	
		< COIL >	
L501	1-469-525-91	INDUCTOR 10uH	
L502	1-469-525-91	INDUCTOR 10uH	
L504	1-469-525-91	INDUCTOR 10uH	
L507	1-469-525-91	INDUCTOR 10uH	
L508	1-469-525-91	INDUCTOR 10uH	
L509	1-469-525-91	INDUCTOR 10uH	
L510	1-469-525-91	INDUCTOR 10uH	

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Ref. No.	Part No.	Description			Remark
L511	1-469-525-91	INDUCTOR	10uH		
L512	1-469-525-91	INDUCTOR	10uH		
L513	1-469-525-91	INDUCTOR	10uH		
L514	1-469-525-91	INDUCTOR	10uH		
		< TRANSISTOR >			
Q503	8-729-901-00	TRANSISTOR	DTC124EK		
Q504	8-729-901-00	TRANSISTOR	DTC124EK		
Q505	8-729-901-00	TRANSISTOR	DTC124EK (AEP, UK, RU)		
Q506	8-729-901-00	TRANSISTOR	DTC124EK		
Q507	1-801-806-11	TRANSISTOR	DTC144EKA		
Q508	1-801-806-11	TRANSISTOR	DTC144EKA		
Q514	8-729-901-00	TRANSISTOR	DTC124EK		
Q515	8-729-901-00	TRANSISTOR	DTC124EK		
Q516	8-729-901-00	TRANSISTOR	DTC124EK		
Q517	8-729-027-23	TRANSISTOR	DTA114EKA-T146		
		< RESISTOR >			
R500	1-216-809-11	METAL CHIP	100	5% 1/10W	
R501	1-216-809-11	METAL CHIP	100	5% 1/10W	
R502	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R503	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R504	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R505	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R506	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R507	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R508	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R509	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R510	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W	
R511	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W	
R512	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W	
R513	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W	
R514	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R515	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R516	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R517	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R525	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R526	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R527	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R528	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R531	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R532	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R533	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W	
R534	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W	
R535	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R536	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R537	1-216-845-11	METAL CHIP	100K	5% 1/10W	
R538	1-216-845-11	METAL CHIP	100K	5% 1/10W	
R547	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)		
R552	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)		
R555	1-216-839-11	METAL CHIP	33K	5% 1/10W	
R556	1-216-839-11	METAL CHIP	33K	5% 1/10W	
R557	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W (AEP, UK, RU)	
R558	1-218-867-11	METAL CHIP	6.8K	0.5% 1/10W (AEP, UK, RU)	
R559	1-216-841-11	METAL CHIP	47K	5% 1/10W (AEP, UK, RU)	
R560	1-216-841-11	METAL CHIP	47K	5% 1/10W (AEP, UK, RU)	
R561	1-216-839-11	METAL CHIP	33K	5% 1/10W	
R562	1-216-839-11	METAL CHIP	33K	5% 1/10W	
R563	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R564	1-216-833-11	METAL CHIP	10K	5% 1/10W (AEP, UK, RU)	
R565	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R566	1-216-833-11	METAL CHIP	10K	5% 1/10W (AEP, UK, RU)	
R567	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R568	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R569	1-216-809-11	METAL CHIP	100	5% 1/10W	
R570	1-216-809-11	METAL CHIP	100	5% 1/10W	
R571	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R572	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R573	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R574	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R575	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R576	1-216-809-11	METAL CHIP	100	5% 1/10W	
R577	1-216-809-11	METAL CHIP	100	5% 1/10W	
R578	1-216-833-11	METAL CHIP	10K	5% 1/10W	
R579	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R580	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R581	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R582	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R583	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R584	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R587	1-216-864-11	SHORT CHIP	0		
R588	1-216-864-11	SHORT CHIP	0		
R589	1-216-864-11	SHORT CHIP	0		
R590	1-216-864-11	SHORT CHIP	0		
R591	1-216-864-11	SHORT CHIP	0		
R592	1-216-864-11	SHORT CHIP	0		
R593	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R594	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R595	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R596	1-216-841-11	METAL CHIP	47K	5% 1/10W	
R597	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R598	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R599	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R601	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R603	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R605	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R606	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R607	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R608	1-216-821-11	METAL CHIP	1K	5% 1/10W	
R609	1-216-809-11	METAL CHIP	100	5% 1/10W (AEP, UK, RU)	
R610	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R612	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R614	1-216-825-11	METAL CHIP	2.2K	5% 1/10W	
R616	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R617	1-216-829-11	METAL CHIP	4.7K	5% 1/10W	
R618	1-216-833-11	METAL CHIP	10K	5% 1/10W (AEP, UK, RU)	
R619	1-216-833-11	METAL CHIP	10K	5% 1/10W (AEP, UK, RU)	
R620	1-216-817-11	METAL CHIP	470	5% 1/10W	

SW-MAIN

Ref. No.	Part No.	Description			Remark
R621	1-216-817-11	METAL CHIP	470	5%	1/10W
R622	1-216-817-11	METAL CHIP	470	5%	1/10W
R623	1-216-817-11	METAL CHIP	470	5%	1/10W
R624	1-216-820-11	METAL CHIP	820	5%	1/10W
R625	1-216-820-11	METAL CHIP	820	5%	1/10W
R626	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R627	1-216-817-11	METAL CHIP	470	5%	1/10W
R628	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R629	1-216-817-11	METAL CHIP	470	5%	1/10W
R630	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R631	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R632	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R633	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R634	1-216-821-11	METAL CHIP	1K	5%	1/10W
R635	1-216-821-11	METAL CHIP	1K	5%	1/10W
R636	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)		
R641	1-216-864-11	SHORT CHIP	0		
R642	1-216-809-11	METAL CHIP	100	5%	1/10W
R643	1-216-809-11	METAL CHIP	100	5%	1/10W
R644	1-216-809-11	METAL CHIP	100	5%	1/10W
R646	1-216-809-11	METAL CHIP	100	5%	1/10W
R647	1-216-864-11	SHORT CHIP	0		
R648	1-216-809-11	METAL CHIP	100	5%	1/10W
R649	1-216-809-11	METAL CHIP	100	5%	1/10W
R650	1-216-809-11	METAL CHIP	100	5%	1/10W
R651	1-216-809-11	METAL CHIP	100	5%	1/10W
R652	1-216-809-11	METAL CHIP	100	5%	1/10W
R653	1-216-809-11	METAL CHIP	100	5%	1/10W
R654	1-216-817-11	METAL CHIP	470	5%	1/10W
R655	1-216-817-11	METAL CHIP	470	5%	1/10W
R656	1-216-817-11	METAL CHIP	470	5%	1/10W
R657	1-216-817-11	METAL CHIP	470	5%	1/10W
R658	1-216-817-11	METAL CHIP	470	5%	1/10W
R659	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R660	1-216-845-11	METAL CHIP	100K	5%	1/10W
R661	1-216-809-11	METAL CHIP	100	5%	1/10W
R662	1-216-833-11	METAL CHIP	10K	5%	1/10W
R663	1-216-864-11	SHORT CHIP	0		
R664	1-216-864-11	SHORT CHIP	0		
R672	1-216-833-11	METAL CHIP	10K	5%	1/10W
R673	1-216-839-11	METAL CHIP	33K	5%	1/10W
R674	1-216-809-11	METAL CHIP	100	5%	1/10W
R675	1-216-809-11	METAL CHIP	100	5%	1/10W
R676	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R677	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R678	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R679	1-216-821-11	METAL CHIP	1K	5%	1/10W
R680	1-216-833-11	METAL CHIP	10K	5%	1/10W
R681	1-216-809-11	METAL CHIP	100	5%	1/10W
R682	1-216-809-11	METAL CHIP	100	5%	1/10W
R683	1-216-809-11	METAL CHIP	100	5%	1/10W
R684	1-216-809-11	METAL CHIP	100	5%	1/10W
R685	1-216-809-11	METAL CHIP	100	5%	1/10W
R686	1-216-809-11	METAL CHIP	100	5%	1/10W
R687	1-216-809-11	METAL CHIP	100	5%	1/10W
R688	1-216-809-11	METAL CHIP	100	5%	1/10W
R689	1-216-809-11	METAL CHIP	100	5%	1/10W
R690	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R691	1-216-809-11	METAL CHIP	100	5%	1/10W
R692	1-216-805-11	METAL CHIP	47	5%	1/10W
R693	1-216-805-11	METAL CHIP	47	5%	1/10W
R695	1-216-807-11	METAL CHIP	68	5%	1/10W
R696	1-216-857-11	METAL CHIP	1M	5%	1/10W
R697	1-216-809-11	METAL CHIP	100	5%	1/10W
R698	1-216-809-11	METAL CHIP	100	5%	1/10W
R699	1-216-809-11	METAL CHIP	100	5%	1/10W
R700	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R702	1-216-821-11	METAL CHIP	1K	5%	1/10W
R703	1-414-226-21	INDUCTOR, FERRITE BEAD			
R704	1-414-226-21	INDUCTOR, FERRITE BEAD			
R705	1-216-809-11	METAL CHIP	100	5%	1/10W
R706	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R707	1-216-814-11	METAL CHIP	270	5%	1/10W
R708	1-216-821-11	METAL CHIP	1K	5%	1/10W
R709	1-216-801-11	METAL CHIP	22	5%	1/10W
R724	1-216-809-11	METAL CHIP	100	5%	1/10W
R725	1-216-809-11	METAL CHIP	100	5%	1/10W
R726	1-216-809-11	METAL CHIP	100	5%	1/10W
R727	1-216-809-11	METAL CHIP	100	5%	1/10W
R730	1-216-809-11	METAL CHIP	100	5%	1/10W
R731	1-216-835-11	METAL CHIP	15K	5%	1/10W
R732	1-216-821-11	METAL CHIP	1K	5%	1/10W
R733	1-216-833-11	METAL CHIP	10K	5%	1/10W
R734	1-216-809-11	METAL CHIP	100	5%	1/10W
R735	1-216-809-11	METAL CHIP	100	5%	1/10W
R736	1-216-809-11	METAL CHIP	100	5%	1/10W
R738	1-216-809-11	METAL CHIP	100	5%	1/10W
R739	1-216-809-11	METAL CHIP	100	5%	1/10W
R740	1-216-833-11	METAL CHIP	10K	5%	1/10W
R741	1-216-809-11	METAL CHIP	100	5%	1/10W
R742	1-216-833-11	METAL CHIP	10K	5%	1/10W
R743	1-216-857-11	METAL CHIP	1M	5%	1/10W
R744	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R745	1-216-809-11	METAL CHIP	100	5%	1/10W
R746	1-216-809-11	METAL CHIP	100	5%	1/10W
R747	1-216-833-11	METAL CHIP	10K	5%	1/10W
R748	1-216-809-11	METAL CHIP	100	5%	1/10W
R749	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R750	1-216-809-11	METAL CHIP	100	5%	1/10W
R751	1-216-809-11	METAL CHIP	100	5%	1/10W
R752	1-216-809-11	METAL CHIP	100	5%	1/10W
R754	1-216-809-11	METAL CHIP	100	5%	1/10W
R755	1-216-809-11	METAL CHIP	100	5%	1/10W
R756	1-216-809-11	METAL CHIP	100	5%	1/10W
R757	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R758	1-216-833-11	METAL CHIP	10K	5%	1/10W
R759	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R760	1-216-809-11	METAL CHIP	100	5%	1/10W
R761	1-216-833-11	METAL CHIP	10K	5%	1/10W
R762	1-216-809-11	METAL CHIP	100	5%	1/10W
R763	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R764	1-216-809-11	METAL CHIP	100	5%	1/10W
R765	1-216-833-11	METAL CHIP	10K	5%	1/10W
R766	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R767	1-216-833-11	METAL CHIP	10K	5%	1/10W

SW-MAIN VIDEO-I/O

Ref. No.	Part No.	Description			Remark
R768	1-216-805-11	METAL CHIP	47	5%	1/10W
R769	1-216-805-11	METAL CHIP	47	5%	1/10W
R770	1-216-833-11	METAL CHIP	10K	5%	1/10W
R771	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R772	1-216-833-11	METAL CHIP	10K	5%	1/10W
R773	1-216-809-11	METAL CHIP	100	5%	1/10W
R774	1-216-805-11	METAL CHIP	47	5%	1/10W
R775	1-216-809-11	METAL CHIP	100	5%	1/10W
R776	1-216-809-11	METAL CHIP	100	5%	1/10W
R777	1-216-809-11	METAL CHIP	100	5%	1/10W
R778	1-216-809-11	METAL CHIP	100	5%	1/10W
R779	1-216-809-11	METAL CHIP	100	5%	1/10W
R780	1-216-809-11	METAL CHIP	100	5%	1/10W
R781	1-216-821-11	METAL CHIP	1K	5%	1/10W
R782	1-216-821-11	METAL CHIP	1K	5%	1/10W
R783	1-216-833-11	METAL CHIP	10K	5%	1/10W
R784	1-216-819-11	METAL CHIP	680	5%	1/10W
R785	1-216-833-11	METAL CHIP	10K	5%	1/10W
R786	1-216-833-11	METAL CHIP	10K	5%	1/10W
R787	1-216-841-11	METAL CHIP	47K	5%	1/10W
R798	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)		
R799	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)		
R801	1-216-833-11	METAL CHIP	10K	5%	1/10W
R802	1-216-833-11	METAL CHIP	10K	5%	1/10W
R803	1-216-833-11	METAL CHIP	10K	5%	1/10W
R804	1-218-285-11	METAL CHIP	75	5%	1/10W
R805	1-218-285-11	METAL CHIP	75	5%	1/10W
R806	1-218-285-11	METAL CHIP	75	5%	1/10W
R807	1-218-285-11	METAL CHIP	75	5%	1/10W
R808	1-216-833-11	METAL CHIP	10K	5%	1/10W
R809	1-216-821-11	METAL CHIP	1K	5%	1/10W
R811	1-216-833-11	METAL CHIP	10K	5%	1/10W
R812	1-216-833-11	METAL CHIP	10K	5%	1/10W
R815	1-216-833-11	METAL CHIP	10K	5%	1/10W
R816	1-216-833-11	METAL CHIP	10K	5%	1/10W
R817	1-216-821-11	METAL CHIP	1K	5%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB501	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
RB502	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
RB503	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
RB504	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
RB505	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
RB506	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
RB507	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
RB508	1-239-412-11	NETWORK RESISTOR (CHIP)	100		
		< VIBRATOR >			
X500	1-795-692-11	QUARTZ CRYSTAL UNIT (24.576MHz)			
X501	1-813-325-11	VIBRATOR, CRYSTAL (13.90MHz)			
X502	1-781-945-21	VIBRATOR, CERAMIC (20MHz)			
**********					
	A-1065-800-A	VIDEO-I/O BOARD, COMPLETE (AEP, UK, RU)			
	A-1065-843-A	VIDEO-I/O BOARD, COMPLETE (US, CND)			
	A-1065-879-A	VIDEO-I/O BOARD, COMPLETE (EA, SP, HK, KR, MX, E41)			
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Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C910	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C911	1-164-156-11	CERAMIC CHIP	0.1uF		25V (EXCEPT AEP, UK, RU)
C913	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C915	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C919	1-216-864-11	SHORT CHIP	0		
C921	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C923	1-104-662-91	ELECT	22uF	20%	25V
C924	1-104-658-91	ELECT	100uF	20%	10V
C926	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C927	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C928	1-162-968-11	CERAMIC CHIP	0.0047uF	10%	50V
C930	1-115-156-11	CERAMIC CHIP	1uF		10V
C931	1-115-156-11	CERAMIC CHIP	1uF		10V
C932	1-126-960-11	ELECT	1uF	20%	50V (AEP, UK, RU)
C932	1-126-964-11	ELECT	10uF	20%	50V (EXCEPT AEP, UK, RU)
C933	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C934	1-126-964-11	ELECT	10uF	20%	50V
C935	1-126-964-11	ELECT	10uF	20%	50V
C937	1-104-658-91	ELECT	100uF	20%	10V
C938	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C939	1-126-964-11	ELECT	10uF	20%	50V
C951	1-126-916-11	ELECT	1000uF	20%	6.3V
C959	1-216-864-11	SHORT CHIP	0		
C960	1-216-864-11	SHORT CHIP	0		
C961	1-126-964-11	ELECT	10uF	20%	50V (AEP, UK, RU)
		< CONNECTOR >			
CN903	1-779-281-11	CONNECTOR, FFC (LIF (NON-ZIF)) 13P			(EXCEPT AEP, UK, RU)
CN903	1-784-213-11	FFC/CONNECTOR, FPC (LIF (BIB-ZIF)) 14P			(AEP, UK, RU)
CN912	1-779-289-11	CONNECTOR, FFC (LIF (NON-ZIF)) 21P			(EXCEPT AEP, UK, RU)
CN912	1-779-291-11	CONNECTOR, FFC (LIF (NON-ZIF)) 23P			(AEP, UK, RU)
		< DIODE >			
D503	8-719-988-61	DIODE 1SS355TE-17 (AEP, UK, RU)			
		< FERRITE BEAD >			
FB901	1-469-144-21	FERRITE, EMI (SMD) (2012)			
FB902	1-216-864-11	SHORT CHIP 0			
FB903	1-469-144-21	FERRITE, EMI (SMD) (2012)			
FB904	1-469-144-21	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC902	6-705-602-01	IC MM1623BFBE			
IC903	8-759-696-10	IC NJM2235V (TE2)			
		< JACK >			
J903	1-566-891-21	JACK (PHONES)			
J904	1-818-766-11	JACK, PIN 2P (VIDEO(VIDEO IN)/SAT(VIDEO IN))			
J908	1-818-634-11	JACK, PIN 1P (DIR-T1)			

VIDEO-I/O

Ref. No.	Part No.	Description				Remark
		< COIL >				
L901	1-410-387-11	INDUCTOR	33uH			
L902	1-469-144-21	FERRITE, EMI (SMD) (2012)				
L903	1-410-387-11	INDUCTOR	33uH			
L904	1-469-144-21	FERRITE, EMI (SMD) (2012)				
L905	1-469-525-91	INDUCTOR	10uH			
L906	1-469-525-91	INDUCTOR	10uH			
		< TRANSISTOR >				
Q903	8-729-920-31	TRANSISTOR	DTC343TK			
Q904	8-729-920-31	TRANSISTOR	DTC343TK			
Q905	8-729-920-31	TRANSISTOR	DTC343TK			
Q906	8-729-920-31	TRANSISTOR	DTC343TK			
Q907	1-801-806-11	TRANSISTOR	DTC144EKA (AEP, UK, RU)			
Q908	8-729-027-23	TRANSISTOR	DTA114EKA-T146			(AEP, UK, RU)
Q909	1-801-806-11	TRANSISTOR	DTC144EKA (AEP, UK, RU)			
Q910	8-729-027-23	TRANSISTOR	DTA114EKA-T146			(AEP, UK, RU)
Q911	8-729-422-27	TRANSISTOR	2SD601A-Q (AEP, UK, RU)			
Q912	1-801-806-11	TRANSISTOR	DTC144EKA (AEP, UK, RU)			
Q913	1-801-806-11	TRANSISTOR	DTC144EKA			
		< RESISTOR >				
R905	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)			
R906	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)			
R907	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)			
R909	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R910	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R911	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R915	1-216-805-11	METAL CHIP	47	5%	1/10W	
R916	1-216-805-11	METAL CHIP	47	5%	1/10W	
R917	1-216-833-11	METAL CHIP	10K	5%	1/10W	(EXCEPT AEP, UK, RU)
R919	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R921	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)			
R923	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK, RU)
R924	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK, RU)
R925	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK, RU)
R926	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK, RU)
R927	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	
R928	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK, RU)
R929	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	(AEP, UK, RU)
R930	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R933	1-216-805-11	METAL CHIP	47	5%	1/10W	
R934	1-216-805-11	METAL CHIP	47	5%	1/10W	
R936	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R937	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R938	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)			
R941	1-216-815-11	METAL CHIP	330	5%	1/10W	(AEP, UK, RU)
R942	1-216-815-11	METAL CHIP	330	5%	1/10W	(AEP, UK, RU)
R943	1-216-815-11	METAL CHIP	330	5%	1/10W	(AEP, UK, RU)
R944	1-216-815-11	METAL CHIP	330	5%	1/10W	(AEP, UK, RU)
R945	1-218-285-11	METAL CHIP	75	5%	1/10W	
R947	1-216-849-11	METAL CHIP	220K	5%	1/10W	(AEP, UK, RU)
R948	1-216-841-11	METAL CHIP	47K	5%	1/10W	(AEP, UK, RU)
R949	1-218-285-11	METAL CHIP	75	5%	1/10W	
R956	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R957	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R958	1-216-833-11	METAL CHIP	10K	5%	1/10W	
R960	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R961	1-216-864-11	SHORT CHIP	0 (EXCEPT AEP, UK, RU)			
R962	1-216-864-11	SHORT CHIP	0 (AEP, UK, RU)			
**********						
		MISCELLANEOUS				
		**********				
2	1-787-199-11	FAN, DC				
4	1-469-241-11	CORE, FERRITE (RFC-8 BK) (EXCEPT CND)				
5	1-468-838-11	REGULATOR, SWITCHING BOARD				(US, CND, MX)
5	1-468-839-12	REGULATOR, SWITCHING BOARD				(EXCEPT US, CND, MX)
⚠8	1-575-651-81	CORD, POWER (AEP, RU, SP, E41)				
⚠8	1-751-522-11	CORD, POWER (UK, EA, HK)				
⚠8	1-769-079-13	CORD, POWER (KR)				
⚠8	1-783-532-71	CORD, POWER (US, CND)				
⚠8	1-824-534-11	CORD, POWER (MX)				
9	1-827-996-11	WIRE (FLAT TYPE) (9 CORE)				
10	1-828-353-11	WIRE (FLAT TYPE) (17 CORE)				
11	1-791-112-11	WIRE (FLAT TYPE) (11 CORE)				
13	1-828-328-11	WIRE (FLAT TYPE) (13 CORE)				(EXCEPT AEP, UK, RU)
13	1-828-338-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)				
14	1-769-944-11	WIRE (FLAT TYPE) (11 CORE)				(EXCEPT AEP, UK, RU)
14	1-773-008-11	WIRE (FLAT TYPE) (15 CORE) (AEP, UK, RU)				
15	1-693-603-31	TUNER (FM/AM) (EA, SP, HK, MX, E41)				
15	1-693-604-11	TUNER (FM/AM) (AEP, UK, RU)				
15	1-693-605-11	TUNER (FM/AM) (KR)				
15	1-693-623-31	TUNER (FM/AM) (US, CND)				
16	1-828-368-11	WIRE (FLAT TYPE) (21 CORE)				(EXCEPT AEP, UK, RU)
17	1-828-378-11	WIRE (FLAT TYPE) (23 CORE) (AEP, UK, RU)				
52	X-2024-490-1	ASSY, PANEL (R) U (US)				
54	X-2024-488-1	ASSY, PANEL (F) U (US)				
56	X-2024-489-1	ASSY, PANEL (L) U (US)				
SP1	1-825-965-11	SPEAKER (18cm)				

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2004.08	New

SS-CTLF1

SERVICE MANUAL

Ver 1.0 2004.08

US Model
Canadian Model
AEP Model
UK Model
E Model

- SS-CTLF1 is the center speaker in DAV-LF1.

SPECIFICATIONS

Speaker system	Two-way Closed box
Speaker unit	100 mm (4 inches) dia. cone type, 25 mm (1 inch) dia. balance-dome-type tweeter
Rated impedance	4 ohms
Dimensions (approx.)	470 x 170 x 81 mm (18 5/8 x 6 3/4 x 3 1/4 inches) (w/h/d)
Mass (approx.)	2.5 kg (5 lb 9 oz)

Design and specifications are subject to change without notice.

SPEAKER SYSYTEM

9-879-140-01
2004H16-1
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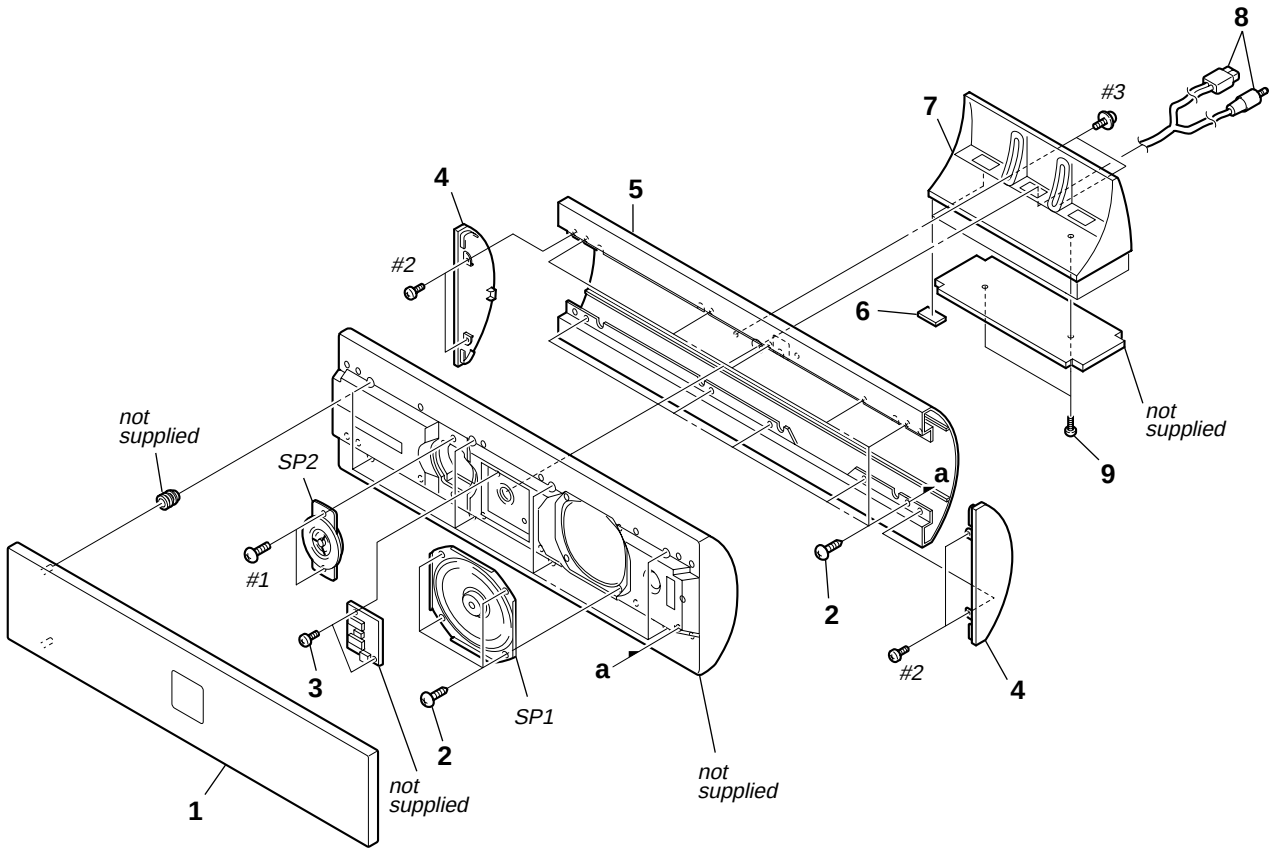
Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY

EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- -XX, -X mean standardized parts, so they may have some differences from the original one.



Ref. No.	Part No.	Description	Remark
1	X-2024-143-1	FRAME (CENTER) ASSY, GRILLE	
2	4-229-966-12	SCREW (4X16), +BV TAPPING	
3	4-986-971-12	SCREW (3.5)	
4	2-102-640-01	COVER	
5	2-102-634-01	BODY (CENTER), ALUMINUM	
6	2-149-009-01	FOOT (C- STAND)	
7	2-149-011-01	STAND, CENTER SP	

Ref. No.	Part No.	Description	Remark
8	1-829-423-11	CORD (WITH CONNECTOR)	
9	2-350-305-01	SCREW	
SP1	1-825-964-11	SPEAKER (10cm)	
SP2	X-2023-106-1	TWEETER ASSY (2.5cm)	
#1	7-685-647-79	SCREW +BVTP 3X10 TYPE2 N-S	
#2	7-685-872-09	SCREW +BVTT 3X8 (S)	
#3	7-685-651-79	SCREW +BVTP 3X20 TYPE2 N-S	

MEMO

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